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## OM protein - protein search, using sw model

Run on: November 26, 2003, 10:20:19 ; Search time 23.4458 Seconds  
(without alignments)  
2186.970 Million cell updates/sec

Title: US-09-934-634-2  
Perfect score: 1459  
Sequence: 1 MGSIVFRFPFCHLSTYSLIW.....MKRRHNRGRSSGCMQMK 278

Scoring table:  
BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 673684 seqs, 18443283 residues  
Total number of hits satisfying chosen parameters: 673684

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

## Database :

Published Applications AA:\*  
1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*  
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7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*  
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14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/2/pubpaa/US10C\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1459	100.0	278	10	US-09-915-524-2 Sequence 2, Appli
2	1459	100.0	278	10	US-09-934-634-2 Sequence 2, Appli
3	1459	100.0	278	10	US-09-917-278-2 Sequence 2, Appli
4	1453	99.6	278	14	US-10-086-972-2 Sequence 2, Appli
5	1374	94.2	278	14	US-10-086-972-3 Sequence 3, Appli
6	1360	93.2	278	10	US-09-915-524-21 Sequence 21, Appli
7	1360	93.2	278	10	US-09-934-634-21 Sequence 21, Appli
8	1360	93.2	278	10	US-09-917-278-21 Sequence 21, Appli
9	1133	77.7	274	10	US-09-915-524-19 Sequence 19, Appli
10	1133	77.7	274	10	US-09-934-634-19 Sequence 19, Appli
11	1133	77.7	274	10	US-09-917-278-19 Sequence 19, Appli
12	1133	77.7	274	14	US-10-086-972-1 Sequence 1, Appli
13	1088	74.6	262	11	US-09-978-418-12 Sequence 12, Appli
14	170	11.7	458	11	US-09-972-268-21 Sequence 21, Appli
15	170	11.7	514	15	US-10-161-572-60 Sequence 60, Appli

16	170	11.7	517	11	US-09-972-268-20 Sequence 20, Appli
17	165.5	11.3	438	11	US-09-959-845-6 Sequence 6, Appli
18	165.5	11.3	438	11	US-09-972-268-19 Sequence 19, Appli
19	165.5	11.3	510	11	US-09-959-845-4 Sequence 4, Appli
20	165.5	11.3	510	11	US-09-972-268-18 Sequence 18, Appli
21	165.5	11.3	549	11	US-09-959-845-2 Sequence 2, Appli
22	165.5	11.3	549	11	US-09-972-268-17 Sequence 17, Appli
23	162.5	11.1	387	11	US-09-972-268-16 Sequence 16, Appli
24	162.5	11.1	426	11	US-09-972-268-15 Sequence 15, Appli
25	162.5	11.1	437	11	US-09-972-268-31 Sequence 31, Appli
26	162.5	11.1	504	11	US-09-972-268-8 Sequence 8, Appli
27	162.5	11.1	510	11	US-09-972-268-10 Sequence 10, Appli
28	162.5	11.1	510	11	US-09-972-268-12 Sequence 12, Appli
29	162.5	11.1	542	11	US-09-972-268-4 Sequence 2, Appli
30	162.5	11.1	549	11	US-09-972-268-4 Sequence 4, Appli
31	162.5	11.1	549	11	US-09-972-268-6 Sequence 6, Appli
32	162.5	11.1	549	15	US-10-161-572-45 Sequence 45, Appli
33	162.5	11.1	595	11	US-09-972-268-14 Sequence 14, Appli
34	162.5	11.1	634	11	US-09-972-268-13 Sequence 13, Appli
35	150	10.3	303	12	US-10-032-214-215 Sequence 215, App
36	148.5	10.2	518	10	US-09-919-172-20 Sequence 20, Appli
37	147	10.1	303	12	US-10-032-214-197 Sequence 197, App
38	147	10.1	303	12	US-10-032-214-217 Sequence 217, App
39	146.5	10.0	302	12	US-10-032-214-268 Sequence 268, App
40	146	10.0	303	12	US-10-032-214-53 Sequence 53, Appli
41	146	10.0	303	12	US-10-032-214-55 Sequence 55, Appli
42	146	10.0	303	12	US-10-032-214-59 Sequence 59, Appli
43	146	10.0	303	12	US-10-032-214-181 Sequence 181, App
44	146	10.0	303	12	US-10-032-214-199 Sequence 199, App
45	146	10.0	303	12	US-10-032-214-208 Sequence 208, App

## ALIGNMENTS

RESULT 1									
US-09-915-524-2									
; Sequence 2, Application US/09915524									
; Patent No. US20020103151A1									
; GENERAL INFORMATION:									
; APPLICANT: Gorczynski, Reginald M.									
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation									
; FILE REFERENCE: 9579-38									
; CURRENT FILING DATE: 2001-07-27									
; PRIOR APPLICATION NUMBER: US 60/064,764									
; PRIOR FILING DATE: 1997-11-07									
; NUMBER OF SEQ ID NOS: 22									
; SOFTWARE: PatentIn version 3.1									
; SEQ ID NO 2									
; LENGTH: 278									
; TYPE: PRT									
; ORGANISM: Mus musculus									
US-09-915-524-2									
Query Match									
Best Local Similarity 100.0%; Score 1459; DB 10; Length 278;									
Matches 278; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;									
QY	1	MGSIVFRFPFCHLSTYSLIWMAAVALSTAQVEVTTQDERALHTTASLRSLTSOPL	60						
DB	1	MGSIVFRFPFCHLSTYSLIWMAAVALSTAQVEVTTQDERALHTTASLRSLTSOPL	60						
QY	61	IVTQKKAAVPEMNTYKTHGVIOPAAYDRINVELGLMNSITFWNTTLEDEGCM	120						
DB	61	IVTQKKAAVPEMNTYKTHGVIOPAAYDRINVELGLMNSITFWNTTLEDEGCM	120						
QY	121	CLFPTGSGQKVSCTACLTLLVYQPIVHLHYNFEDHLNITCSATAPAPAIKSGTGIE	180						
DB	121	CLFPTGSGQKVSCTACLTLLVYQPIVHLHYNFEDHLNITCSATAPAPAIKSGTGIE	180						
QY	181	NSTSHFHSNQTTSVTSILRKVDKPTQVGKEVICOVLGLGVINDIKQSLDKGFNFVPL	240						

Db 181 NSTESHFSNGTSTVTSILRVKDPKTQVGEVICOVLGVNIDYKOSLDKGFMSVPL 240  
QY 241 LSIIVSLVILVLIISILLYWKRRHNOERGESOGQMORMK 278  
Db 241 LSIIVSLVILVLIISILLYWKRRHNOERGESOGQMORMK 278

## RESULT 2

US-09-934-634-2  
; Sequence 2, Application US/09934634  
; Patent No. US20020151485A1  
; GENERAL INFORMATION:  
; APPLICANT: Gorkzynski, Reginald M.  
; APPLICANT: Clark, David A.  
; TITLE OF INVENTION: Methods and Compositions for Modulating Fertility  
; FILE REFERENCE: 9579-34  
; CURRENT APPLICATION NUMBER: US/09/934,634  
; CURRENT FILING DATE: 2001-08-23  
; PRIOR APPLICATION NUMBER: US 09/570,367  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-934-634-2

Query Match 100.0%; Score 1459; DB 10; Length 278;  
Best Local Similarity 100.0%; Pred. No. 1e-137;  
Matches 278; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSIVFRFPFCHLSTYSLIMGMAAVALSTAQVEVVTODERKALHTTASLRCSLKTSOBPL 60  
Db 1 MGSIVFRFPFCHLSTYSLIMGMAAVALSTAQVEVVTODERKALHTTASLRCSLKTSOBPL 60  
QY 61 IYTMOKKAAVSPENNVTYKTHGVVIOPAYKDRINVTGLMNSSITFMNTTLEDEGCGYM 120  
Db 61 IYTMOKKAAVSPENNVTYKTHGVVIOPAYKDRINVTGLMNSSITFMNTTLEDEGCGYM 120  
QY 121 CLFNTFGSQKVSIGTACTLTVYQPIVHLHYNFEDHLNITCSATAPAPAIKMGKTGTGIE 180  
Db 121 CLFNTFGSQKVSIGTACTLTVYQPIVHLHYNFEDHLNITCSATAPAPAIKMGKTGTGIE 180  
QY 181 NSTESHFSNGTSTVTSILRVKDPKTQVGEVICOVLGVNIDYKOSLDKGFMSVPL 240  
Db 181 NSTESHFSNGTSTVTSILRVKDPKTQVGEVICOVLGVNIDYKOSLDKGFMSVPL 240  
QY 241 LSIIVSLVILVLIISILLYWKRRHNOERGESOGQMORMK 278  
Db 241 LSIIVSLVILVLIISILLYWKRRHNOERGESOGQMORMK 278

## RESULT 3

US-09-917-278-2  
; Sequence 2, Application US/09917278  
; Patent No. US20020168364A1  
; GENERAL INFORMATION:  
; APPLICANT: Gorkzynski, Reginald M.  
; APPLICANT: Clark, David A.  
; TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth  
; FILE REFERENCE: 9579-39  
; CURRENT APPLICATION NUMBER: US/09/917,278  
; CURRENT FILING DATE: 2001-07-30  
; PRIOR APPLICATION NUMBER: US 60/064,764  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: US 60/222,725  
; PRIOR FILING DATE: 2000-08-03  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 278

; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-917-278-2

Query Match 100.0%; Score 1459; DB 10; Length 278;  
Best Local Similarity 100.0%; Pred. No. 1e-137;  
Matches 278; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MGSIVFRFPFCHLSTYSLIMGMAAVALSTAQVEVVTODERKALHTTASLRCSLKTSOBPL 60  
QY 61 IYTMOKKAAVSPENNVTYKTHGVVIOPAYKDRINVTGLMNSSITFMNTTLEDEGCGYM 120  
Db 61 IYTMOKKAAVSPENNVTYKTHGVVIOPAYKDRINVTGLMNSSITFMNTTLEDEGCGYM 120  
QY 121 CLFNTFGSQKVSIGTACTLTVYQPIVHLHYNFEDHLNITCSATAPAPAIKMGKTGTGIE 180  
Db 121 CLFNTFGSQKVSIGTACTLTVYQPIVHLHYNFEDHLNITCSATAPAPAIKMGKTGTGIE 180  
QY 181 NSTESHFSNGTSTVTSILRVKDPKTQVGEVICOVLGVNIDYKOSLDKGFMSVPL 240  
Db 181 NSTESHFSNGTSTVTSILRVKDPKTQVGEVICOVLGVNIDYKOSLDKGFMSVPL 240  
QY 241 LSIIVSLVILVLIISILLYWKRRHNOERGESOGQMORMK 278  
Db 241 LSIIVSLVILVLIISILLYWKRRHNOERGESOGQMORMK 278

## RESULT 4

US-10-086-972-2  
; Sequence 2, Application US/10086972  
; Publication No. US20020192215A1  
; GENERAL INFORMATION:  
; APPLICANT: Hoek, Robert M.  
; APPLICANT: Sedgwick, Jonathan D.  
; TITLE OF INVENTION: Sedgwick, Jonathan D.  
; TITLE OF INVENTION: Uses of Mammalian OX2 Protein and Related  
; FILE REFERENCE: DX0936K  
; CURRENT APPLICATION NUMBER: US/10/086,972  
; CURRENT FILING DATE: 2002-03-01  
; PRIOR APPLICATION NUMBER: US/09/547,432  
; PRIOR FILING DATE: 2000-04-12  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: rodent  
US-10-086-972-2

Query Match 99.6%; Score 1453; DB 14; Length 278;  
Best Local Similarity 99.6%; Pred. No. 4.1e-137;  
Matches 277; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MGSIVFRFPFCHLSTYSLIMGMAAVALSTAQVEVVTODERKALHTTASLRCSLKTSOBPL 60  
Db 1 MGSIVFRFPFCHLSTYSLIMGMAAVALSTAQVEVVTODERKALHTTASLRCSLKTSOBPL 60  
QY 61 IYTMOKKAAVSPENNVTYKTHGVVIOPAYKDRINVTGLMNSSITFMNTTLEDEGCGYM 120  
Db 61 IYTMOKKAAVSPENNVTYKTHGVVIOPAYKDRINVTGLMNSSITFMNTTLEDEGCGYM 120  
QY 121 CLFNTFGSQKVSIGTACTLTVYQPIVHLHYNFEDHLNITCSATAPAPAIKMGKTGTGIE 180  
Db 121 CLFNTFGSQKVSIGTACTLTVYQPIVHLHYNFEDHLNITCSATAPAPAIKMGKTGTGIE 180  
QY 181 NSTESHFSNGTSTVTSILRVKDPKTQVGEVICOVLGVNIDYKOSLDKGFMSVPL 240  
Db 181 NSTESHFSNGTSTVTSILRVKDPKTQVGEVICOVLGVNIDYKOSLDKGFMSVPL 240  
QY 241 LSIIVSLVILVLIISILLYWKRRHNOERGESOGQMORMK 278  
Db 241 LSIIVSLVILVLIISILLYWKRRHNOERGESOGQMORMK 278

Db 241 LSIIVSLVLLVLLISILLYWKRRHNRGERGESSQGMQRK 278

## RESULT 5

US-10-086-972-3  
; Sequence 3, Application US/10086972  
; Publication No. US20020192215A1  
; GENERAL INFORMATION:  
; APPLICANT: Hoeck, Robert M.  
; TITLE OF INVENTION: Sedgwick, Jonathan D.  
; TITLE OF INVENTION: No. US20020192215A1e1 Uses of Mammalian OX2 Protein and Related  
; FILE REFERENCE: Reagents  
; FILE REFERENCE: DX0936K  
; CURRENT APPLICATION NUMBER: US/10/086,972  
; PRIOR APPLICATION NUMBER: 2002-03-01  
; PRIOR FILING DATE: 2000-04-12  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: rodent  
US-10-086-972-3

Query Match 94.2%; Score 1374; DB 14; Length 278;

Best Local Similarity 93.9%; Pred. No. 3,3e-129;

Matches 261; Conservative 7; Mismatches 10; Indels 0; Gaps 0;

QY 1 MGSIVFRPFPCHLSTYSILMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 60  
DB 1 MGSIVFRPFPCHLSTYSILMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 60  
QY 61 IYTWQKKAQVSPENNVTSKTHGVVIOPAKYDRINVTGLMNSSITFMNTLLEDEGCYM 120  
DB 61 IYTWQKKAQVSPENNVTSKTHGVVIOPAKYDRINVTGLMNSSITFMNTLLEDEGCYM 120  
QY 121 CLFNFGSGKXVSGTACTLTYVQPIVHLHYNFEDHLNITCSATAPAPAIISWKGTSGLIE 180  
DB 121 CLFNFGSGKXVSGTACTLTYVQPIVHLHYNFEDHLNITCSATAPAPAIISWKGTSGLIE 180  
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DB 181 NSTESHFNSTSTVTSILRVKDPKTQVGEVICOVLVGNVIDYKOSLDKGFWSVPL 240  
QY 181 NSTESHSHNGTSTVTSILRVKDPKTQVGEVICOVLVGNVIDYKOSLDKGFWSVPL 240  
DB 181 NSTESHSHNGTSTVTSILRVKDPKTQVGEVICOVLVGNVIDYKOSLDKGFWSVPL 240  
QY 241 LSIIVSLVLLVLLISILLYWKRRHNRGERGESSQGMQRK 278  
DB 241 LSIIVSLVLLVLLISILLYWKRRHNRGERGESSQGMQRK 278

## RESULT 6

US-09-915-524-21  
; Sequence 21, Application US/09915524  
; Patent No. US20020103151A1  
; GENERAL INFORMATION:  
; APPLICANT: Gorczyński, Reginald M.  
; APPLICANT: Clark, David A.  
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
; FILE REFERENCE: 9579-38  
; CURRENT APPLICATION NUMBER: US/09/915,524  
; PRIOR FILING DATE: 2001-07-27  
; PRIOR APPLICATION NUMBER: US 60/064,764  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 21  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Rattus norvegicus  
US-09-915-524-21

Query Match 93.2%; Score 1360; DB 10; Length 278;  
Best Local Similarity 93.2%; Pred. No. 8,4e-128;

Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

QY 1 MGSIVFRPFPCHLSTYSILMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 60  
DB 1 MGSIVFRPFPCHLSTYSILMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 60  
QY 61 IYTWQKKAQVSPENNVTSKTHGVVIOPAKYDRINVTGLMNSSITFMNTLLEDEGCYM 120  
DB 61 IYTWQKKAQVSPENNVTSKTHGVVIOPAKYDRINVTGLMNSSITFMNTLLEDEGCYM 120  
QY 121 CLFNFGSGKXVSGTACTLTYVQPIVHLHYNFEDHLNITCSATAPAPAIISWKGTSGLIE 180  
DB 121 CLFNFGSGKXVSGTACTLTYVQPIVHLHYNFEDHLNITCSATAPAPAIISWKGTSGLIE 180  
QY 181 NSTESHFNSTSTVTSILRVKDPKTQVGEVICOVLVGNVIDYKOSLDKGFWSVPL 240  
DB 181 NSTESHFNSTSTVTSILRVKDPKTQVGEVICOVLVGNVIDYKOSLDKGFWSVPL 240  
QY 241 LSIIVSLVLLVLLISILLYWKRRHNRGERGESSQGMQRK 278  
DB 241 LSIIVSLVLLVLLISILLYWKRRHNRGERGESSQGMQRK 278

## RESULT 7

US-09-934-634-21  
; Sequence 21, Application US/09934634  
; Patent No. US20020151485A1  
; GENERAL INFORMATION:  
; APPLICANT: Gorczyński, Reginald M.  
; APPLICANT: Clark, David A.  
; TITLE OF INVENTION: Methods and Compositions for Modulating Fertility  
; FILE REFERENCE: 9579-34  
; CURRENT APPLICATION NUMBER: US/09/934,634  
; PRIOR FILING DATE: 2001-08-23  
; PRIOR APPLICATION NUMBER: US 09/570,367  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 21  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Rattus norvegicus  
US-09-934-634-21

Query Match 93.2%; Score 1360; DB 10; Length 278;

Best Local Similarity 93.2%; Pred. No. 8,4e-128;

Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

QY 1 MGSIVFRPFPCHLSTYSILMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 60  
DB 1 MGSIVFRPFPCHLSTYSILMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 60  
QY 61 IYTWQKKAQVSPENNVTSKTHGVVIOPAKYDRINVTGLMNSSITFMNTLLEDEGCYM 120  
DB 61 IYTWQKKAQVSPENNVTSKTHGVVIOPAKYDRINVTGLMNSSITFMNTLLEDEGCYM 120  
QY 121 CLFNFGSGKXVSGTACTLTYVQPIVHLHYNFEDHLNITCSATAPAPAIISWKGTSGLIE 180  
DB 121 CLFNFGSGKXVSGTACTLTYVQPIVHLHYNFEDHLNITCSATAPAPAIISWKGTSGLIE 180  
QY 181 NSTESHFNSTSTVTSILRVKDPKTQVGEVICOVLVGNVIDYKOSLDKGFWSVPL 240  
DB 181 NSTESHFNSTSTVTSILRVKDPKTQVGEVICOVLVGNVIDYKOSLDKGFWSVPL 240  
QY 241 LSIIVSLVLLVLLISILLYWKRRHNRGERGESSQGMQRK 278  
DB 241 LSIIVSLVLLVLLISILLYWKRRHNRGERGESSQGMQRK 278

## RESULT 8

US-09-917-278-21  
; Sequence 21, Application US/09917278  
; Patent No. US20020168364A1

GENERAL INFORMATION:  
APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth  
FILE REFERENCE: 9579-39  
CURRENT APPLICATION NUMBER: US/09/917,278  
CURRENT FILING DATE: 2001-07-30  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: US 60/222,725  
PRIOR FILING DATE: 2000-08-03  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: Patent in version 3.1  
SEQ ID NO 21  
LENGTH: 278  
TYPE: PRT  
ORGANISM: Rattus norvegicus  
US-09-917-278-21

Query Match 93.2%; Score 1360; DB 10; Length 278;  
Best Local Similarity 93.2%; Pred. No. 8,4e-128;  
Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

QY 1 MGSIVFRPFCILSTSLIMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 60  
DB 1 MGSIVFRPFCILSTSLIMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 60  
QY 61 IYTWOKKAVSENNMTVSKTHGVIIQPAYKORINVELGLNNSITFWNTTLEDEGCYM 120  
DB 61 IYTWOKKAVSENNMTVSKTHGVIIQPAYKORINVELGLNNSITFWNTTLEDEGCYM 120  
QY 121 CLFNFSGKVGSTACTLYVQPIVHLHNYFEEDHNTCSATAPAPASMKGTGTGE 180  
DB 121 CLFNFSGKVGSTACTLYVQPIVHLHNYFEEDHNTCSATAPAPASMKGTGTGE 180  
QY 181 NSTESHFSNGTTSVTSILRVKDPKTQVGEKVICQVLYGNVIDYKOSLDKGFWSVPL 240  
DB 181 NSTESHFSNGTTSVTSILRVKDPKTQVGEKVICQVLYGNVIDYKOSLDKGFWSVPL 240  
QY 241 LSVISLVILVILISILLYKRRHRNDRGESSQGMORMK 278  
DB 241 LSVISLVILVILISILLYKRRHRNDRGESSQGMORMK 278

## RESULT 9

US-09-915-524-19  
Sequence 19, Application US/09915524  
Patent No. US20020103151A1  
GENERAL INFORMATION:  
APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-38  
CURRENT APPLICATION NUMBER: US/09/915,524  
CURRENT FILING DATE: 2001-07-27  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: Patent in version 3.1  
SEQ ID NO 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-915-524-19

Query Match 77.7%; Score 1133; DB 10; Length 274;  
Best Local Similarity 78.0%; Pred. No. 4,4e-105;  
Matches 213; Conservative 29; Mismatches 31; Indels 0; Gaps 0;

QY 5 VRRPFCILSTSLIMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 64  
DB 1 VRRPFCILSTSLIMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 64

QY 65 OKKAVSENNMTVSKTHGVIIQPAYKORINVELGLNNSITFWNTTLEDEGCYMLFN 124  
DB 61 OKKAVSENNMTVSKTHGVIIQPAYKORINVELGLNNSITFWNTTLEDEGCYMLFN 120  
QY 125 TFGSGKVGSTACTLYVQPIVHLHNYFEEDHNTCSATAPAPASMKGTGTGE 184  
DB 121 TFGSGKVGSTACTLYVQPIVHLHNYFEEDHNTCSATAPAPASMKGTGTGE 180  
QY 185 SHFHSNGTTSVTSILRVKDPKTQVGEKVICQVLYGNVIDYKOSLDKGFWSVPL 244  
DB 181 SHFHSNGTTSVTSILRVKDPKTQVGEKVICQVLYGNVIDYKOSLDKGFWSVPL 240  
QY 245 SLVILVILVILISILLYKRRHRNDRGESSQGMORMK 277  
DB 241 SLVILVILVILISILLYKRRHRNDRGESSQGMORMK 273

## RESULT 10

US-09-934-634-19  
Sequence 19, Application US/09934634  
Patent No. US20020151485A1  
GENERAL INFORMATION:  
APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Modulating Fertility  
FILE REFERENCE: 9579-34  
CURRENT APPLICATION NUMBER: US/09/934,634  
CURRENT FILING DATE: 2001-08-23  
PRIOR APPLICATION NUMBER: US 09/570,367  
PRIOR FILING DATE: 1998-05-05  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: Patent in version 3.0  
SEQ ID NO 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-934-634-19

Query Match 77.7%; Score 1133; DB 10; Length 274;  
Best Local Similarity 78.0%; Pred. No. 4,4e-105;  
Matches 213; Conservative 29; Mismatches 31; Indels 0; Gaps 0;

QY 5 VRRPFCILSTSLIMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 64  
DB 1 VRRPFCILSTSLIMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 60  
QY 65 OKKAVSENNMTVSKTHGVIIQPAYKORINVELGLNNSITFWNTTLEDEGCYMLFN 124  
DB 61 OKKAVSENNMTVSKTHGVIIQPAYKORINVELGLNNSITFWNTTLEDEGCYMLFN 120  
QY 125 TFGSGKVGSTACTLYVQPIVHLHNYFEEDHNTCSATAPAPASMKGTGTGE 184  
DB 121 TFGSGKVGSTACTLYVQPIVHLHNYFEEDHNTCSATAPAPASMKGTGTGE 180  
QY 185 SHFHSNGTTSVTSILRVKDPKTQVGEKVICQVLYGNVIDYKOSLDKGFWSVPL 244  
DB 181 SHFHSNGTTSVTSILRVKDPKTQVGEKVICQVLYGNVIDYKOSLDKGFWSVPL 240  
QY 245 SLVILVILVILISILLYKRRHRNDRGESSQGMORMK 277  
DB 241 SLVILVILVILISILLYKRRHRNDRGESSQGMORMK 273

## RESULT 11

US-09-917-278-19  
Sequence 19, Application US/09917278  
Patent No. US2002016834A1  
GENERAL INFORMATION:  
APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth  
FILE REFERENCE: 9579-39  
CURRENT APPLICATION NUMBER: US/09/917,278

CURRENT FILING DATE: 2001-07-30  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: US 60/222,725  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO: 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-917-278-19

Query Match 77.7%; Score 1133; DB 10; Length 274;  
Best Local Similarity 78.0%; Pred. No. 4,4e-105;  
Matches 213; Conservative 29; Mismatches 31; Indels 0; Gaps 0;

QY 5 VRRPFCILSTSLIWMGAVALSTAQVEVVTQDERKALHTTASLRCSLKTQCEPLIVTM 64  
DB 1 VIRMFPSHSTSLVWMAAVLCTAQQVVTQDEREQLYTASLKCSLQNNQEAALIVTM 60  
QY 65 QKKKAVSPENNVYTSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYMCLEN 124  
DB 61 QKKKAVSPENNVYTSFENHGVVIOPAVKDKINITQGLQNSTITFMNTTLEDEGCYMCLEN 120  
QY 125 TFGSQKVGSTACTLVYQPIVHLHNVYFEDHNTTCSAARAPAPVFWKPGTGTGIENSTV 184  
DB 121 TFGFKISGTACTLVYQPIVSLHYKFSFEDHNTTCSAARAPAPVFWKPGTGTGIENSTV 180  
QY 185 SHFHSNGTSTVSLIRVKDPTQVGEKVCQVLYGNVLDYKQSLDKGFWSVPLLSIV 244  
DB 181 TLSHNGTSTVSLIHIDPKQVGEKVCQVLYHGTVDYDFQYVKNKGWFSVPLLSIV 240  
QY 245 SLVILLVILSLIILYWKRRHNRQEGSSQGMORM 277  
DB 241 SLVILLVILSLIILYWKRRHNRQEGSLSGQVGM 273

## RESULT 12

US-10-086-972-1  
Sequence 1, Application US/10086972  
Publication No. US20020192215A1  
GENERAL INFORMATION:  
APPLICANT: Hoeft, Robert M.  
TITLE OF INVENTION: No. US20020192215A1 Uses of Mammalian OX2 Protein and Related  
FILE REFERENCE: DX0936K  
CURRENT FILING DATE: 2002-03-01  
PRIOR APPLICATION NUMBER: US/09/547,432  
NUMBER OF SEQ ID NOS: 3  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO: 1  
LENGTH: 274  
TYPE: PRT  
ORGANISM: primate  
US-10-086-972-1

Query Match 77.7%; Score 1133; DB 14; Length 274;  
Best Local Similarity 78.0%; Pred. No. 4,4e-105;  
Matches 213; Conservative 29; Mismatches 31; Indels 0; Gaps 0;

QY 5 VRRPFCILSTSLIWMGAVALSTAQVEVVTQDERKALHTTASLRCSLKTQCEPLIVTM 64  
DB 1 VIRMFPSHSTSLVWMAAVLCTAQQVVTQDEREQLYTASLKCSLQNNQEAALIVTM 60  
QY 65 QKKKAVSPENNVYTSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYMCLEN 124  
DB 61 QKKKAVSPENNVYTSFENHGVVIOPAVKDKINITQGLQNSTITFMNTTLEDEGCYMCLEN 120  
QY 125 TFGSQKVGSTACTLVYQPIVHLHNVYFEDHNTTCSAARAPAPVFWKPGTGTGTGIENSTV 184

DB 121 TFGFKISGTACTLVYQPIVSLHYKFSFEDHNTTCSAARAPAPVFWKPGTGTGIENSTV 180  
QY 185 SHFHSNGTSTVSLIRVKDPTQVGEKVCQVLYGNVLDYKQSLDKGFWSVPLLSIV 244  
DB 181 TLSHNGTSTVSLIHIDPKQVGEKVCQVLYHGTVDYDFQYVKNKGWFSVPLLSIV 240  
QY 245 SLVILLVILSLIILYWKRRHNRQEGSSQGMORM 277  
DB 241 SLVILLVILSLIILYWKRRHNRQEGSLSGQVGM 273

## RESULT 13

US-09-978-418-12  
Sequence 12, Application US/09978418  
Publication No. US20030118997A1  
GENERAL INFORMATION:  
APPLICANT: Benjamin, Stephan  
TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
FILE REFERENCE: 142, US5, REG  
CURRENT FILING DATE: 2002-10-15  
PRIOR APPLICATION NUMBER: 60/311,305  
PRIOR FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: 60/314,734  
PRIOR FILING DATE: 2001-08-24  
PRIOR APPLICATION NUMBER: 60/318,204  
PRIOR FILING DATE: 2001-09-07  
PRIOR APPLICATION NUMBER: 60/326,470  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: Upatent  
SEQ ID NO: 12  
LENGTH: 262  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SIGNAL  
LOCATION: 1..23  
US-09-978-418-12

Query Match 74.6%; Score 1088; DB 11; Length 262;  
Best Local Similarity 78.8%; Pred. No. 1.3e-100;  
Matches 204; Conservative 27; Mismatches 28; Indels 0; Gaps 0;

QY 9 PFCHLSTSLIWMGAVALSTAQVEVVTQDERKALHTTASLRCSLKTQCEPLIVTMQKXK 68  
DB 2 PFSHSTSLVWMAAVLCTAQQVVTQDEREQLYTASLKCSLQNNQEAALIVTMQKXK 61  
QY 69 AVSPENNVYTSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYMCLENFNTGS 128  
DB 62 AVSPENNVYTSFENHGVVIOPAVKDKINITQGLQNSTITFMNTTLEDEGCYMCLENFNTGF 121  
QY 129 QKVGSTACTLVYQPIVHLHNVYFEDHNTTCSAARAPAPVFWKPGTGTGTGIENSTESHFH 188  
DB 122 KGISGTACTLVYQPIVSLHYKFSFEDHNTTCSAARAPAPVFWKPGTGTGTGIENSTESHFH 181  
QY 189 SNGTSTVSLIRVKDPTQVGEKVCQVLYGNVLDYKQSLDKGFWSVPLLSIVSLVI 248  
DB 182 PNGTSTVSLIHIDPKQVGEKVCQVLYHGTVDYDFQYVKNKGWFSVPLLSIVSLVI 241  
QY 249 LVLVILSLIILYWKRRHNRQEG 267  
DB 242 LVLVILSLIILYWKRRHNRQDR 260

## RESULT 14

US-09-972-268-21  
Sequence 21, Application US/09972268  
Publication No. US20030044893A1  
GENERAL INFORMATION:  
APPLICANT: Baum, Peter R.

APPLICANT: Fanelow, William C.  
APPLICANT: Lofton, Timothy E.  
APPLICANT: Sorensen, Eric A.  
APPLICANT: Youakim, Adel  
TITLE OF INVENTION: NECTIN POLYPEPTIDES, POLYNUCLEOTIDES, METHODS OF MAKING AND USE  
FILE REFERENCE: 3101-A  
CURRENT APPLICATION NUMBER: US/09/972,268  
CURRENT FILING DATE: 2001-10-05  
PRIOR APPLICATION NUMBER: 60/238,557  
PRIOR FILING DATE: 2000-10-05  
NUMBER OF SEQ ID NOS: 39  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 21  
LENGTH: 458  
TYPE: PRT  
ORGANISM: homo sapiens  
US-09-972-268-21

Query Match 11.7%; Score 170; DB 11; Length 458;  
Best Local Similarity 26.1%; Pred. No. 2.5e-08;  
Matches 61; Conservative 38; Mismatches 103; Indels 32; Gaps 8;

QY 20 WGMVAVALST-----AQEVVTDGERKALHTTASLRC-----SLKTSOEPLIVTWQ 65  
DB 14 WGL-ALGLTAFPLPGVHSQVQVNDMVGFIGTDVVLHCSFANPLPSVKITQ---VTWQ 68  
QY 66 KKAASPENMVTYSKTHGVIOPAYKDRINVTELGLMNSITFMWTTLEDEGCYMCLEPNT 125  
DB 69 KSTNSKQVAIYNPSMGVSVALPYRVEREFLRPSFTDGTIRLSLELEDEGVYICEFAT 128  
QY 126 FGSQKVSCTACTLYVQ-----IVHLHYNFEDHLNITC--SATAPAPASWKT 175  
DB 129 FPTGNRESQNLTVAKPTNMIETQAVLRAKKGDDKVLVATCTSANGKPPSVSWMETR 188  
QY 176 GTGIENSTESHSHSGTTSVTSILRVKDKPTQVGEVIGQVLYLGNVIDYKQSL 229  
DB 189 LKG-EAEYOEIRNPNGTVTVISRYRLVPSREAHQOSLACTIVY--HMDRFKESL 239

## RESULT 15

US-10-161-572-60  
Sequence 60, Application US/10161572  
Publication No. US20030087266A1  
GENERAL INFORMATION:  
APPLICANT: EXELIXIS, INC.  
TITLE OF INVENTION: IGF AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE  
FILE REFERENCE: EX02-097C-PC  
CURRENT APPLICATION NUMBER: US/10/161,572  
CURRENT FILING DATE: 2002-06-03  
PRIOR APPLICATION NUMBER: US 60/296,076  
PRIOR FILING DATE: 2001-06-05  
PRIOR APPLICATION NUMBER: US 60/328,605  
PRIOR FILING DATE: 2001-10-10  
PRIOR APPLICATION NUMBER: US 60/338,733  
PRIOR FILING DATE: 2001-10-22  
PRIOR APPLICATION NUMBER: US 60/357,253  
PRIOR FILING DATE: 2002-02-15  
PRIOR APPLICATION NUMBER: US 60/357,600  
PRIOR FILING DATE: 2002-02-15  
NUMBER OF SEQ ID NOS: 63  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 60  
LENGTH: 514  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-161-572-60

Query Match 11.7%; Score 170; DB 15; Length 514;  
Best Local Similarity 26.1%; Pred. No. 3e-08;  
Matches 61; Conservative 38; Mismatches 103; Indels 32; Gaps 8;

QY 20 WGMVAVALST-----AQEVVTDGERKALHTTASLRC-----SLKTSOEPLIVTWQ 65  
DB 14 WGL-ALGLTAFPLPGVHSQVQVNDMVGFIGTDVVLHCSFANPLPSVKITQ---VTWQ 68  
QY 66 KKAASPENMVTYSKTHGVIOPAYKDRINVTELGLMNSITFMWTTLEDEGCYMCLEPNT 125  
DB 69 KSTNSKQVAIYNPSMGVSVALPYRVEREFLRPSFTDGTIRLSLELEDEGVYICEFAT 128  
QY 126 FGSQKVSCTACTLYVQ-----IVHLHYNFEDHLNITC--SATAPAPASWKT 175  
DB 129 FPTGNRESQNLTVAKPTNMIETQAVLRAKKGDDKVLVATCTSANGKPPSVSWMETR 188  
QY 176 GTGIENSTESHSHSGTTSVTSILRVKDKPTQVGEVIGQVLYLGNVIDYKQSL 229  
DB 189 LKG-EAEYOEIRNPNGTVTVISRYRLVPSREAHQOSLACTIVY--HMDRFKESL 239

DB 11 WGL-ALGLTAFPLPGVHSQVQVNDMVGFIGTDVVLHCSFANPLPSVKITQ---VTWQ 65  
QY 66 KKAASPENMVTYSKTHGVIOPAYKDRINVTELGLMNSITFMWTTLEDEGCYMCLEPNT 125  
DB 69 KSTNSKQVAIYNPSMGVSVALPYRVEREFLRPSFTDGTIRLSLELEDEGVYICEFAT 128  
QY 126 FGSQKVSCTACTLYVQ-----IVHLHYNFEDHLNITC--SATAPAPASWKT 175  
DB 129 FPTGNRESQNLTVAKPTNMIETQAVLRAKKGDDKVLVATCTSANGKPPSVSWMETR 188  
QY 176 GTGIENSTESHSHSGTTSVTSILRVKDKPTQVGEVIGQVLYLGNVIDYKQSL 229  
DB 189 LKG-EAEYOEIRNPNGTVTVISRYRLVPSREAHQOSLACTIVY--HMDRFKESL 239

Search completed: November 26, 2003, 10:39:52  
Job time : 23.4458 secs

RESULT 2  
US-09-570-367C-21  
; Sequence 21, Application US/09570367C  
; Patent No. 6338851  
; GENERAL INFORMATION:

APPLICANT: Gorczynski, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-21  
CURRENT APPLICATION NUMBER: US/09/570,367C  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 21  
LENGTH: 278  
TYPE: PR1  
ORGANISM: Rattus norvegicus  
US-09-570-367C-21

Query Match 93.2%; Score 1360; DB 4; Length 278;  
Best Local Similarity 93.2%; Pred. No. 5,4e-134;  
Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

QY 1 MGSVFRPFCPLSTYSLIMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 60  
DB 1 MGSVFRPFCPLSTYSLIMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 60  
QY 61 IYTWOKKAVSPENMVTYSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYM 120  
DB 61 IYTWOKKAVSPENMVTYSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYM 120  
QY 121 CLFNTFGSGKVSCTACTLTYVOPIVHLHNVFEDHLNITCSATAPAPAISSKGTGTGIE 180  
DB 121 CLFNTFGSGKVSCTACTLTYVOPIVHLHNVFEDHLNITCSATAPAPAISSKGTGTGIE 180  
QY 181 NSTESHSHNGTSTYSILRVKDPKTQVGEVICOVLYLGANVIDKOSLDKGFWSVPL 240  
DB 181 NSTESHSHNGTSTYSILRVKDPKTQVGEVICOVLYLGANVIDKOSLDKGFWSVPL 240  
QY 241 LSVISLVILVLISILLYWKRRNOERGSQGMORMK 278  
DB 241 LSVISLVILVLISILLYWKRRNOERGSQGMORMK 278

RESULT 3  
US-09-570-367C-19  
Sequence 19, Application US/09570367C  
Patent No. 6338651  
GENERAL INFORMATION:  
APPLICANT: Gorczynski, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-21  
CURRENT APPLICATION NUMBER: US/09/570,367C  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 19  
LENGTH: 274  
TYPE: PR1  
ORGANISM: Homo sapiens  
US-09-570-367C-19

Query Match 77.7%; Score 1133; DB 4; Length 274;  
Best Local Similarity 78.0%; Pred. No. 2,9e-110;  
Matches 213; Conservative 29; Mismatches 31; Indels 0; Gaps 0;

QY 5 VRRPFCPLSTYSLIMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 64  
DB 1 VRRPFCPLSTYSLIMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEP 64  
QY 65 OKKAVSPENMVTYSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYCLFN 124  
DB 61 OKKAVSPENMVTYSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYCLFN 120  
QY 125 TFGSGKVSCTACTLTYVOPIVHLHNVFEDHLNITCSATAPAPAISSKGTGTGIE 184

DB 121 TFGSGKVSCTACTLTYVOPIVHLHNVFEDHLNITCSATAPAPAISSKGTGTGIE 180  
QY 185 SHFNSNGTSTYSILRVKDPKTQVGEVICOVLYLGANVIDKOSLDKGFWSVPL 244  
DB 181 TSHNGTSTYSILRVKDPKTQVGEVICOVLYLGANVIDKOSLDKGFWSVPL 240  
QY 245 LSVILVLISILLYWKRRNOERGSQGMORM 277  
DB 241 LSVILVLISILLYWKRRNOERGSQGMORM 273

RESULT 4  
US-09-435-956A-1  
Sequence 1, Application US/09435956A  
Patent No. 6469155  
GENERAL INFORMATION:  
APPLICANT: Universita degli Studi di Bologna  
TITLE OF INVENTION: High and Related V domain for the Manufacture of a  
TITLE OF INVENTION: Medicament for Preventing or Treating HSV-1, HSV-2 and  
TITLE OF INVENTION: BHV Infections  
FILE REFERENCE: MODIANO  
CURRENT APPLICATION NUMBER: US/09/435,956A  
CURRENT FILING DATE: 1999-11-09  
NUMBER OF SEQ ID NOS: 2  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1  
LENGTH: 458  
TYPE: PR1  
ORGANISM: Homo sapiens  
OTHER INFORMATION: Original Source: Hela Cell Line  
OTHER INFORMATION: General Functional Class of Gene: Immunoglobulin  
OTHER INFORMATION: Superfamily  
OTHER INFORMATION: Binding Macromolecules: HSV-gD  
OTHER INFORMATION: Subcellular localization: Plasma Membrane  
OTHER INFORMATION: Other Information: Viral Receptor  
US-09-435-956A-1

Query Match 11.6%; Score 169; DB 4; Length 458;  
Best Local Similarity 26.1%; Pred. No. 4e-09;  
Matches 61; Conservative 38; Mismatches 103; Indels 32; Gaps 8;

QY 20 WMAAVALST-----NOVEVVTQDERKALHTTASLRCSLKTQEP 65  
DB 14 WGL-ALGLTAPLPVSHQVQVNDMSYGTGTVDVHLCSFANPLPSVKTQ---VTWQ 68  
QY 66 KKAIVSPENMVTYSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYCLFN 125  
DB 69 KSTNSKQNAIYNPSKVSVALPREVERFLRPSFTDGTIRLSLEDEGCYICGPAI 128  
QY 126 FGSQKVSCTACTLTYVOP-----IVHLHNVFEDHLNITC-SATAPAPAISSKGT 175  
DB 129 FPGNRBSQNLVTWAKPTNWIETQAVLRAKQGDQKVLATCTTSANGKPPSVWSMETR 188  
QY 176 GTGIENSTESHSHNGTSTYSILRVKDPKTQVGEVICOVLYLGANVIDKOSLDKGF 229  
DB 189 LKG-EAEYQETRNPGTIVTISRKVLPSREAHQOSLACIYNY--HMDRFRESL 239

RESULT 5  
US-09-724-864-62  
Sequence 62, Application US/09724864  
Patent No. 6380362  
GENERAL INFORMATION:  
APPLICANT: Watson, James D.  
APPLICANT: Mutison, James G.  
TITLE OF INVENTION: Polynucleotides, polypeptides expressed  
TITLE OF INVENTION: by the polynucleotides and methods for their use.  
FILE REFERENCE: 11000,105001  
CURRENT APPLICATION NUMBER: US/09/724,864  
CURRENT FILING DATE: 2000-11-28



PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678  
PRIOR FILING DATE: 1999-12-23  
NUMBER OF SEQ ID NOS: 72  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO: 62  
LENGTH: 408  
TYPE: PRT  
ORGANISM: Mouse  
US-09-724-864-62

Query Match 10.0%; Score 145.5; DB 4; Length 408;  
Best Local Similarity 24.3%; Pred. No. 9.7e-07;  
Matches 53; Conservative 29; Mismatches 99; Indels 37; Gaps 5;

QY 34 VVTODERKALHTTASLRCSLKTSGEPPL--VTWQKKAIVSPENNV--TYSKTHGVVIQPAY 90  
DB 33 LVPYSTGVLGSTTLHCSTLSNENVTITQITMKKDGSGHALVAVHPKGPVKEPE 92  
QY 91 KDRINVTGLMNSSTFMNTTLEDEGCYMCLEFNTFGSQKVSCTACL----- 137  
DB 93 RVKFLAAQDLRNLSLAINSLSVDEGEYECQIATFPGRSSTNMLKVQAPKNTAEAL 152  
QY 138 ----TLVQPIVHLHYNYFEDHLNITCSATAPAPAIKMGKTGTGIGENSTESHFHSNGTT 193  
DB 153 EPSPTLLIQDVAK-----CISANGHPGRISGMPNVNNGSHREMKEPGSPQPTT 200  
QY 194 SVTSLIRVKDPKTOYKEVICQVLYLGNVIDYKQSLDK 231  
DB 201 TVTSTYLSMVPSPRQADGNITCTVEH-----ESLQELDD 233

RESULT 6  
US-09-068-051A-32  
Sequence 32, Application US/09068051A  
Patent No. 6291235

## GENERAL INFORMATION:

APPLICANT: Old, Lloyd J.; Weitz, Sydney; Ritter, Gerd;  
Simpson, Richard J.; Nice, Edward; Moritz, R. L.;  
Cattell, B. J.; Hong, Burgess, Anthony W.;  
Heath, Joan K.; White, Sara J.; Johnstone, Cameron  
TITLE OF INVENTION: Colon Cell And Colon Cancer Cell  
Associated Nucleic Acid Molecules, Protein And Peptides

NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Fulbright & Jaworski LLP  
STREET: 666 Fifth Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10103

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage

COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/068,051A

FILING DATE: 10-Dec-1998  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/597,495

FILING DATE: 02-Feb-1996  
APPLICATION NUMBER: 08/511,876

ATTORNEY/AGENT INFORMATION:  
NAME: Hanson, No. 6291235man D.

REGISTRATION NUMBER: 30,946  
REFERENCE/DOCKET NUMBER: LUD 5316.2

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 318-3168  
TELEFAX: (212) 752-5958

INFORMATION FOR SEQ ID NO: 32  
SEQUENCE CHARACTERISTICS:

LENGTH: 318 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 32  
US-09-068-051A-32

Query Match 9.8%; Score 143; DB 3; Length 318;  
Best Local Similarity 22.8%; Pred. No. 1.2e-06;  
Matches 66; Conservative 49; Mismatches 117; Indels 58; Gaps 13;

QY 17 SLIWGMAA--VALSTAQEVVTDERKALHTTASLRCSLKT--SQEPLVTWQKKAIVSP 72  
DB 6 SVVWMLCAIWAADALVETTDQILRAARGSVLPCTVNTYVSDRGFIQMDLRLNSQT 65  
QY 73 ENMTYIS-KTHGVVIQPAYKDRINVT--ELGLMNSSTFMNTTLEDEGCYMCLEFNTFGSQK 130  
DB 66 ERVVTWVFVTKYIYGNRYENRVRVSDALSNASITIDQITMDNDCTYESVLSMDQD 125  
QY 131 VSGTACLTLYV-----OPIVHLHYN-YFEDHLNITC-SATAPAPAIKMGKTGTGIGENST 183  
DB 126 VNASKRVRLVLYVPSKPDGSIQGEWVIGNNIQLTCSABGSPQYSWK----- 175  
QY 184 ESHFHSNGTTSVT-----SLIRVKDPKTOYKEVICQVLYLGNVIDYKQSLDKGF----- 233  
DB 176 -SYNAQNOQRPPLTPVSGEPLLNISTETAGYIC-----TSSNDVGIESGNI 223  
QY 234 -----WFSVPLPLSLIV-SLIVLLVLSILLYW-----KRRHQEGES 270  
DB 224 TVAPRPPSMNALYAGIAGSVFALLIIGVIVCCCRKDKDQDREDA 273

RESULT 7  
US-09-651-200-20  
Sequence 20, Application US/09651200  
Patent No. 6429303

## GENERAL INFORMATION:

APPLICANT: Green et al

TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B  
Lymphocyte Activation Antigen B-7 Family and  
TITLE OF INVENTION: Polypeptides Encoded Thereby

FILE REFERENCE: 15966-562 (CURA-62)  
CURRENT APPLICATION NUMBER: US/09/651,200

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/152383

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: 60/172909

PRIOR FILING DATE: 1999-12-21

PRIOR APPLICATION NUMBER: 60/183578

PRIOR FILING DATE: 2000-02-18

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO: 20

LENGTH: 325

TYPE: PRT

ORGANISM: sus sp.

US-09-651-200-20

Query Match 9.5%; Score 138.5; DB 4; Length 325;  
Best Local Similarity 23.8%; Pred. No. 3.7e-06;  
Matches 66; Conservative 46; Mismatches 90; Indels 75; Gaps 18;

QY 46 TASLRCSLKTSG---EPLVTWQKKAIVSPENNVY-----SKTHGVVIQPAYKDRIN 95  
DB 29 TGEPLCHFTNSQNSLSDELVIFWQD-----DNLVLYELXRGQKPHNV--NSKYMGRTS 81  
QY 96 VTELGLMNSSTFMNTTLEDEGCYMCLEFNTFG-----SQKVSCTACLTLYVQPIVHLH 148  
DB 82 PDQ-ATW--TIRLNVQIKDKGSYQCFIHHGHPGLVPIRHMSDSLILANFSPQEINLL 138  
QY 149 YNYFEDH-LNITCSAT-ARPAIASKGTGTGIGENSTESH-----FHSNGTTSVTSI-LR 200  
DB 139 TNHTENSIVNLTCSTGQYEPQRMWMLNT--KNSITTEHADMKKSQNNITTELYNVSIR 196





NAME: Mandragourae, Amy E.  
REGISTRATION NUMBER: 36,207  
REFERENCE/DOCKET NUMBER: RPI-008  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 329 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-456-104-2

Query Match 8.8%; Score 128; DB 2; Length 329;  
Best Local Similarity 21.4%; Pred. No. 4.7e-05;  
Matches 70; Conservative 54; Mismatches 117; Indels 86; Gaps 16;

QY 9 PCHLSTVSLIWMGAVALSTAOVEVVTODERKALHTTASLRCSLKTSQ---EPLIVTW 64  
DB 3 PCHTGLSLNLFVMAFLISGAAPLKI-----QAYNETADLPCCFANQNSLSLIVFW 57  
QY 65 OKKAVSPENMYTSKTHGVVIOPAVKDRINVTGLMNSITFW-----NTLDEGCY 119  
DB 58 QDQ-----ENLV-----LNEVYLGEKEKFDVSHSKYMGRTSPDSWTLRLHNLQIKDKGLY 108  
QY 120 MCLFNTFSGQKXVG-----TACLTLYVQPIVHLHYNYFED-HLNTICSAT-ARPA 167  
DB 109 QCIITH---HKKPTGMIRIHQNMSELVLANSQPEIVISNTENYINLTCSIHGYE 165  
QY 168 P---AISMKGCTGTGIE-----NSTESHFHSNGTTSYSLRVKDPKTVQKEVYC 214  
DB 166 PKKMSVLLRTKNSLTIEYDGIQKSDQDNTLEY-----DVSISLSVSPDVTSMNTIFC 218  
QY 215 QVLYIGNVIDYKQSLDKGFWS-----VPLLSTVSLVILVLISILLYW----- 259  
DB 219 IL-----ETDKTRLSSPFSIELEDPQPPDHIPWITAVLPVILICVWFCLILMKWKK 273  
QY 260 KHRN-----OERGSSQGMORMK 278  
DB 274 KPRNSYKCGTNTMERESSEQTKKREK 300

RESULT 14  
US-08-101-624-2  
Sequence 2, Application US/08101624  
Patent No. 5942607  
GENERAL INFORMATION:  
APPLICANT: Freeman, Gordon J.  
APPLICANT: Nadler, Lee M.  
TITLE OF INVENTION: No. 5942607e1 CTLA4/CD28 ligands and  
TITLE OF INVENTION: Uses Therefor  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: LAHIVE & COCKFIELD  
STREET: 60 State Street, Suite 510  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION NUMBER: US/08/101.624  
FILING DATE: 26-JUL-1993  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Mandragourae, Amy E.  
REGISTRATION NUMBER: 36,207  
REFERENCE/DOCKET NUMBER: RPI-004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 329 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-101-624-2

Query Match 8.8%; Score 128; DB 2; Length 329;  
Best Local Similarity 21.4%; Pred. No. 4.7e-05;  
Matches 70; Conservative 54; Mismatches 117; Indels 86; Gaps 16;

QY 9 PCHLSTVSLIWMGAVALSTAOVEVVTODERKALHTTASLRCSLKTSQ---EPLIVTW 64  
DB 3 PCHTGLSLNLFVMAFLISGAAPLKI-----QAYNETADLPCCFANQNSLSLIVFW 57  
QY 65 OKKAVSPENMYTSKTHGVVIOPAVKDRINVTGLMNSITFW-----NTLDEGCY 119  
DB 58 QDQ-----ENLV-----LNEVYLGEKEKFDVSHSKYMGRTSPDSWTLRLHNLQIKDKGLY 108  
QY 120 MCLFNTFSGQKXVG-----TACLTLYVQPIVHLHYNYFED-HLNTICSAT-ARPA 167  
DB 109 QCIITH---HKKPTGMIRIHQNMSELVLANSQPEIVISNTENYINLTCSIHGYE 165  
QY 168 P---AISMKGCTGTGIE-----NSTESHFHSNGTTSYSLRVKDPKTVQKEVYC 214  
DB 166 PKKMSVLLRTKNSLTIEYDGIQKSDQDNTLEY-----DVSISLSVSPDVTSMNTIFC 218  
QY 215 QVLYIGNVIDYKQSLDKGFWS-----VPLLSTVSLVILVLISILLYW----- 259  
DB 219 IL-----ETDKTRLSSPFSIELEDPQPPDHIPWITAVLPVILICVWFCLILMKWKK 273  
QY 260 KHRN-----OERGSSQGMORMK 278  
DB 274 KPRNSYKCGTNTMERESSEQTKKREK 300

RESULT 15  
US-08-479-744A-2  
Sequence 2, Application US/08479744A  
Patent No. 6084067  
GENERAL INFORMATION:  
APPLICANT: Freeman, Gordon J.  
APPLICANT: Nadler, Lee M.  
TITLE OF INVENTION: No. 6084067e1 CTLA4/CD28 ligands and  
TITLE OF INVENTION: Uses Therefor  
NUMBER OF SEQUENCES: 55  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: LAHIVE & COCKFIELD, LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION NUMBER: US/08/479.744A  
FILING DATE: June 7, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/280.757



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## OM protein - protein search, using sw model

Run on: November 26, 2003, 10:20:19 ; Search time 23.1084 Seconds

(without alignments)  
2186.970 Million cell updates/sec

Title: US-09-934-634-19

Perfect score: 1427  
Sequence: 1 VIRMPFSLSTYSLVWMAA.....MKRRNDREGLSGVQKMT 274

## Scoring table:

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Gapop 10.0 , Gapext 0.5

Searched: 673684 seqs, 184443283 residues

Total number of hits satisfying chosen parameters: 673684

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

## Database :

Published Applications AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
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- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
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- 16: /cgn2\_6/ptodata/2/pubpaa/US10C\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match length	ID	Description
1	1427	100.0	274	US-09-915-524-19 Sequence 19, Appl
2	1427	100.0	274	US-09-934-634-19 Sequence 19, Appl
3	1427	100.0	274	US-09-917-278-19 Sequence 19, Appl
4	1427	100.0	274	US-10-086-972-11 Sequence 1, Appl
5	1360	95.3	262	US-09-978-418-12 Sequence 12, Appl
6	1133	79.4	278	US-09-915-524-2 Sequence 2, Appl
7	1133	79.4	278	US-09-934-634-2 Sequence 2, Appl
8	1133	79.4	278	US-09-917-278-2 Sequence 2, Appl
9	1133	79.4	278	US-10-086-972-2 Sequence 2, Appl
10	1124	78.8	278	US-10-086-972-3 Sequence 3, Appl
11	1110	77.8	278	US-09-915-524-21 Sequence 21, Appl
12	1110	77.8	278	US-09-934-634-21 Sequence 21, Appl
13	1110	77.8	278	US-09-917-278-21 Sequence 21, Appl
14	191.5	13.4	438	US-09-959-845-6 Sequence 6, Appl
15	191.5	13.4	438	US-09-972-268-19 Sequence 19, Appl

16	191.5	13.4	510	US-09-959-845-4 Sequence 4, Appl
17	191.5	13.4	510	US-09-972-268-18 Sequence 18, Appl
18	191.5	13.4	549	US-09-959-845-2 Sequence 2, Appl
19	191.5	13.4	549	US-09-972-268-17 Sequence 17, Appl
20	187.5	13.1	387	US-09-972-268-16 Sequence 16, Appl
21	187.5	13.1	426	US-09-972-268-15 Sequence 15, Appl
22	187.5	13.1	437	US-09-972-268-31 Sequence 31, Appl
23	187.5	13.1	504	US-09-972-268-8 Sequence 8, Appl
24	187.5	13.1	510	US-09-972-268-10 Sequence 10, Appl
25	187.5	13.1	510	US-09-972-268-12 Sequence 12, Appl
26	187.5	13.1	542	US-09-972-268-2 Sequence 2, Appl
27	187.5	13.1	549	US-09-972-268-4 Sequence 4, Appl
28	187.5	13.1	549	US-09-972-268-6 Sequence 6, Appl
29	187.5	13.1	595	US-10-161-572-45 Sequence 45, Appl
30	187.5	13.1	595	US-09-972-268-14 Sequence 14, Appl
31	187.5	13.1	634	US-09-972-268-13 Sequence 13, Appl
32	182	12.8	458	US-09-972-268-21 Sequence 21, Appl
33	182	12.8	514	US-10-161-572-62 Sequence 62, Appl
34	182	12.8	517	US-10-161-572-61 Sequence 61, Appl
35	164	11.5	255	US-09-972-268-20 Sequence 20, Appl
36	159	11.1	518	US-09-819-172-20 Sequence 20, Appl
37	158.5	11.1	479	US-09-972-268-22 Sequence 22, Appl
38	158.5	11.1	479	US-10-161-572-62 Sequence 62, Appl
39	158.5	11.1	538	US-09-972-268-23 Sequence 23, Appl
40	158.5	11.1	538	US-09-984-130-138 Sequence 138, Appl
41	158.5	11.1	538	US-09-836-353A-138 Sequence 138, Appl
42	158.5	11.1	538	US-10-161-572-61 Sequence 61, Appl
43	153	10.7	498	US-09-972-268-39 Sequence 39, Appl
44	152	10.7	417	US-09-972-268-25 Sequence 25, Appl
45	147	10.3	497	US-09-972-268-37 Sequence 37, Appl

## ALIGNMENTS

RESULT 1  
US-09-915-524-19  
Sequence 19, Application US/09915524  
Patent No. US20020103151A1  
GENERAL INFORMATION:  
APPLICANT: Gorczynski, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-38  
CURRENT FILING DATE: 2001-07-27  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-915-524-19

Query Match	100.0%	Score 1427	DB 10	Length 274
Best Local Similarity	100.0%	Pred. No. 3.5e-132		
Matches 274	Conservative 0	Mismatches 0	Indels 0	Gaps 0
QY	1	VIRMPFSLSTYSLVWMAAVLCTAOVVTOEROLYTTASLKCSLQNAQSLVITW	60	
DB	1	VIRMPFSLSTYSLVWMAAVLCTAOVVTOEROLYTTASLKCSLQNAQSLVITW	60	
QY	61	OKKAAPENNVTSSENGVVIQPAYKDKINITOLGQNSITTFWNTTLEDEGCMCLFN	120	
DB	61	OKKAAPENNVTSSENGVVIQPAYKDKINITOLGQNSITTFWNTTLEDEGCMCLFN	120	
QY	121	TFGFGKISGTACTLVYVQPIVSLHYKSEDLNITCATAPAPMVFMKVPRSGIENSTV	180	
DB	121	TFGFGKISGTACTLVYVQPIVSLHYKSEDLNITCATAPAPMVFMKVPRSGIENSTV	180	
QY	181	TLSPNGTTSVTSILHKIDPRNGVKEVICQVHLGLVTPDKQVNVNGVWSVPLLLSTIV	240	

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Db      181 TLSPNGTTSVTSILHIKDPKNQVKEVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240
Qy      241 SLVILLVLISILLYKRRHRNDRGELSOGVQKMT 274
Db      241 SLVILLVLISILLYKRRHRNDRGELSOGVQKMT 274

RESULT 2
US-09-934-634-19
; Sequence 19, Application US/09934634
; Patent No. US20020151485A1
; GENERAL INFORMATION:
; APPLICANT: Gorczyneki, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Modulating Fertility
; FILE REFERENCE: 9579-34
; CURRENT APPLICATION NUMBER: US/09/934,634
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: US 09/570,367
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 19
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-934-634-19

Query Match      100.0%; Score 1427; DB 10; Length 274;
Best Local Similarity 100.0%; Pred. No. 3.5e-132;
Matches 274; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 VIRMPFSLSTYSLVWMAAVLCTAQOVVTODEREQLYTTASLKCSLQNAQEAIVTW 60
Db      1 VIRMPFSLSTYSLVWMAAVLCTAQOVVTODEREQLYTTASLKCSLQNAQEAIVTW 60
Qy      61 OKKKAUSPENNVTFSEHNGVVIOPAYKDKINITQGLQNSTTTFNNITLDEGCMCLFN 120
Db      61 OKKKAUSPENNVTFSEHNGVVIOPAYKDKINITQGLQNSTTTFNNITLDEGCMCLFN 120
Qy      121 TFGFGKISGTACTLVYVQPIVSLHYKFSBDHLNITCSATAPAPMFWKVPFRSGIENSTV 180
Db      121 TFGFGKISGTACTLVYVQPIVSLHYKFSBDHLNITCSATAPAPMFWKVPFRSGIENSTV 180
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Db      181 TLSPNGTTSVTSILHIKDPKNQVKEVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240
Qy      241 SLVILLVLISILLYKRRHRNDRGELSOGVQKMT 274
Db      241 SLVILLVLISILLYKRRHRNDRGELSOGVQKMT 274
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RESULT 3
US-09-917-278-19
; Sequence 19, Application US/09917278
; Patent No. US20020168364A1
; GENERAL INFORMATION:
; APPLICANT: Gorczyneki, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth
; FILE REFERENCE: 9579-39
; CURRENT APPLICATION NUMBER: US/09/917,278
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/222,725
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 274
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-917-278-19
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Query Match      100.0%; Score 1427; DB 10; Length 274;
Best Local Similarity 100.0%; Pred. No. 3.5e-132;
Matches 274; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db      1 VIRMPFSLSTYSLVWMAAVLCTAQOVVTODEREQLYTTASLKCSLQNAQEAIVTW 60
Qy      61 OKKKAUSPENNVTFSEHNGVVIOPAYKDKINITQGLQNSTTTFNNITLDEGCMCLFN 120
Db      61 OKKKAUSPENNVTFSEHNGVVIOPAYKDKINITQGLQNSTTTFNNITLDEGCMCLFN 120
Qy      121 TFGFGKISGTACTLVYVQPIVSLHYKFSBDHLNITCSATAPAPMFWKVPFRSGIENSTV 180
Db      121 TFGFGKISGTACTLVYVQPIVSLHYKFSBDHLNITCSATAPAPMFWKVPFRSGIENSTV 180
Qy      181 TLSPNGTTSVTSILHIKDPKNQVKEVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240
Db      181 TLSPNGTTSVTSILHIKDPKNQVKEVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240
Qy      241 SLVILLVLISILLYKRRHRNDRGELSOGVQKMT 274
Db      241 SLVILLVLISILLYKRRHRNDRGELSOGVQKMT 274
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RESULT 4
US-10-086-972-1
; Sequence 1, Application US/10086972
; Publication No. US20020192215A1
; GENERAL INFORMATION:
; APPLICANT: Hoek, Robert M.
; APPLICANT: Sedgwick, Jonathan D.
; TITLE OF INVENTION: No. US20020192215A1e1 Uses of Mammalian OX2 Protein and Related
; TITLE OF INVENTION: Reagents
; FILE REFERENCE: DX0936K
; CURRENT APPLICATION NUMBER: US/10/086,972
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US/09/547,432
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Primate
US-10-086-972-1
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Query Match      100.0%; Score 1427; DB 14; Length 274;
Best Local Similarity 100.0%; Pred. No. 3.5e-132;
Matches 274; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db      1 VIRMPFSLSTYSLVWMAAVLCTAQOVVTODEREQLYTTASLKCSLQNAQEAIVTW 60
Qy      61 OKKKAUSPENNVTFSEHNGVVIOPAYKDKINITQGLQNSTTTFNNITLDEGCMCLFN 120
Db      61 OKKKAUSPENNVTFSEHNGVVIOPAYKDKINITQGLQNSTTTFNNITLDEGCMCLFN 120
Qy      121 TFGFGKISGTACTLVYVQPIVSLHYKFSBDHLNITCSATAPAPMFWKVPFRSGIENSTV 180
Db      121 TFGFGKISGTACTLVYVQPIVSLHYKFSBDHLNITCSATAPAPMFWKVPFRSGIENSTV 180
Qy      181 TLSPNGTTSVTSILHIKDPKNQVKEVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240
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Db 245 SLVILLVLISILLYWKRRHNRGESSSQGMQM 277

## RESULT 8

US-09-917-278-2  
 ; Sequence 2, Application US/09917278  
 ; Patent No. US20020168364A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gorczynski, Reginald M.  
 ; APPLICANT: Clark, David A.  
 ; TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth  
 ; FILE REFERENCE: 9579-39  
 ; CURRENT APPLICATION NUMBER: US/09/917,278  
 ; PRIOR FILING DATE: 2001-07-30  
 ; PRIOR APPLICATION NUMBER: US 60/064,764  
 ; PRIOR FILING DATE: 1997-11-07  
 ; PRIOR APPLICATION NUMBER: US 60/222,725  
 ; PRIOR FILING DATE: 2000-08-03  
 ; NUMBER OF SEQ ID NOS: 22  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 2  
 ; LENGTH: 278  
 ; TYPE: PRT  
 ; ORGANISM: Mus musculus  
 US-09-917-278-2

Query Match 79.4%; Score 1133; DB 10; Length 278;  
 Best Local Similarity 78.0%; Pred. No. 3.1e-103;

Matches 213; Conservative 29; Mismatches 31; Indels 0; Gaps 0;

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 QY 61 OKKAVSPENNVTSSEHNGVVIOPAYKDKINITQGLONSTITFNITLDEBGCYMCLEN 120  
 Db 65 OKKAVSPENNVTSSEHNGVVIOPAYKDKINITQGLONSTITFNITLDEBGCYMCLEN 124  
 QY 121 TFGKIGTACTLTVVOPVIVSLHYKFSFDHNTCSATAPAPVFWKVPFRSGIENSTV 180  
 Db 125 TFGSKVSGTACTLTVVOPVIVSLHYKFSFDHNTCSATAPAPVFWKVPFRSGIENSTV 184  
 QY 181 TSHNGTTSVTSILIKDPKNOVKEVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240  
 Db 185 SHFSNGTTSVTSILIKDPKNOVKEVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 244  
 QY 241 SLVILLVLISILLYWKRRHNRGESSSQGMQM 273  
 Db 245 SLVILLVLISILLYWKRRHNRGESSSQGMQM 277

## RESULT 9

US-10-086-972-2  
 ; Sequence 2, Application US/10086972  
 ; Publication No. US20020192215A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hoeck, Robert M.  
 ; APPLICANT: Sedgwick, Jonathan D.  
 ; TITLE OF INVENTION: No. US20020192215A1 Uses of Mammalian OX2 Protein and Related  
 ; FILE REFERENCE: DX0936K  
 ; CURRENT APPLICATION NUMBER: US/10/086,972  
 ; PRIOR FILING DATE: 2002-03-01  
 ; PRIOR APPLICATION NUMBER: US/09/547,432  
 ; NUMBER OF SEQ ID NOS: 3  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 278  
 ; TYPE: PRT  
 ; ORGANISM: rodent  
 US-10-086-972-2

Query Match 79.4%; Score 1133; DB 14; Length 278;  
 Best Local Similarity 77.3%; Pred. No. 2.4e-102;  
 Matches 211; Conservative 29; Mismatches 33; Indels 0; Gaps 0;

QY 1 VIRMPFSLSTYSLVWMAAVLCTAQOVVTOBEROLYTTASLKSQNAOALIVTW 60  
 Db 5 VRRPFCILSTYSLWMAAVALSTAQVEVTOBERKALHTTASLRCSLKTQEBLIVTW 64  
 QY 61 OKKAVSPENNVTSSEHNGVVIOPAYKDKINITQGLONSTITFNITLDEBGCYMCLEN 120  
 Db 65 OKKAVSPENNVTSSEHNGVVIOPAYKDKINITQGLONSTITFNITLDEBGCYMCLEN 124  
 QY 121 TFGKIGTACTLTVVOPVIVSLHYKFSFDHNTCSATAPAPVFWKVPFRSGIENSTV 180  
 Db 125 TFGSKVSGTACTLTVVOPVIVSLHYKFSFDHNTCSATAPAPVFWKVPFRSGIENSTV 184  
 QY 181 TSHNGTTSVTSILIKDPKNOVKEVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240  
 Db 185 SHFSNGTTSVTSILIKDPKNOVKEVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 244  
 QY 241 SLVILLVLISILLYWKRRHNRGESSSQGMQM 273  
 Db 245 SLVILLVLISILLYWKRRHNRGESSSQGMQM 277

## RESULT 10

US-10-086-972-3  
 ; Sequence 3, Application US/10086972  
 ; Publication No. US20020192215A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hoeck, Robert M.  
 ; APPLICANT: Sedgwick, Jonathan D.  
 ; TITLE OF INVENTION: No. US20020192215A1 Uses of Mammalian OX2 Protein and Related  
 ; FILE REFERENCE: DX0936K  
 ; CURRENT APPLICATION NUMBER: US/10/086,972  
 ; PRIOR FILING DATE: 2002-03-01  
 ; PRIOR APPLICATION NUMBER: US/09/547,432  
 ; NUMBER OF SEQ ID NOS: 3  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 3  
 ; LENGTH: 278  
 ; TYPE: PRT  
 ; ORGANISM: rodent  
 US-10-086-972-3

Query Match 78.8%; Score 1124; DB 14; Length 278;  
 Best Local Similarity 77.3%; Pred. No. 2.4e-102;  
 Matches 211; Conservative 29; Mismatches 33; Indels 0; Gaps 0;

QY 1 VIRMPFSLSTYSLVWMAAVLCTAQOVVTOBEROLYTTASLKSQNAOALIVTW 60  
 Db 5 VRRPFCILSTYSLWMAAVALSTAQVEVTOBERKALHTTASLRCSLKTQEBLIVTW 64  
 QY 61 OKKAVSPENNVTSSEHNGVVIOPAYKDKINITQGLONSTITFNITLDEBGCYMCLEN 120  
 Db 65 OKKAVSPENNVTSSEHNGVVIOPAYKDKINITQGLONSTITFNITLDEBGCYMCLEN 124  
 QY 121 TFGKIGTACTLTVVOPVIVSLHYKFSFDHNTCSATAPAPVFWKVPFRSGIENSTV 180  
 Db 125 TFGSKVSGTACTLTVVOPVIVSLHYKFSFDHNTCSATAPAPVFWKVPFRSGIENSTV 184  
 QY 181 TSHNGTTSVTSILIKDPKNOVKEVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240  
 Db 185 SHFSNGTTSVTSILIKDPKNOVKEVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 244  
 QY 241 SLVILLVLISILLYWKRRHNRGESSSQGMQM 273  
 Db 245 SLVILLVLISILLYWKRRHNRGESSSQGMQM 277







```

; APPLICANT: Gorczyński, Reginaid M.
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation
; FILE REFERENCE: 9579-21
; CURRENT APPLICATION NUMBER: US/09/570,367C
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 2
; LENGTH: 278
; TYPE: PRF
; ORGANISM: Mus musculus
US-09-570-367C-2

Query Match          79.4%; Score 1133; DB 4; Length 278;
Best Local Similarity 78.0%; Pred. No. 6,3e-108;
Matches 213; Conservative 29; Mismatches 31; Indels 0; Gaps 0;

1 VIRMPFSLSTVSLVWMAAVLCTAQQVQVOTDEREQYTTASLKSLQNAQALIVTW 60
5 VRRPFCSTSTSLWMAAVALSTAQVEVVTQDERKALHTASLRCSLKTQEPILIVTW 64
61 QKKKAVSPENMTVFSENGVVIQPAYKDKINITQGLONSTTFNNITLEDGCMCLFN 120
65 QKKKAVSPENMTVSKTGCVVQIPAYKDRINTTELGLMNSITTFNNITLEDGCMCLFN 124
QY 121 TFGFGKISTACTLVYVQPIVSLHYKFSBDHNTCSATAPAPVFWKVPKSGIENSTV 180
DB 125 TFGSKVSGTACTLVYVQPIVSLHYKFSBDHNTCSATAPAPVFWKVPKSGIENSTV 184
QY 181 TUSHNGTSTVSTLIHKDPKNQVKEVICOVLHGTVDQFQTKNGKWSVPLLSIV 240
DB 185 SHFHSNGTSTVSTLIHKDPKNQVKEVICOVLHGTVDQFQTKNGKWSVPLLSIV 244
QY 241 SLVILLVLISILLWKRHRNQRGELSOGVQKM 273
DB 245 SLVILLVLISILLWKRHRNQRGELSOGVQKM 277

RESULT 3
US-09-570-367C-21
; Sequence 21, Application US/09570367C
; Patent No. 6138851
; GENERAL INFORMATION:
; APPLICANT: Gorczyński, Reginaid M.
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation
; FILE REFERENCE: 9579-21
; CURRENT APPLICATION NUMBER: US/09/570,367C
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 21
; LENGTH: 278
; TYPE: PRF
; ORGANISM: Rattus norvegicus
US-09-570-367C-21

Query Match          77.8%; Score 1110; DB 4; Length 278;
Best Local Similarity 76.6%; Pred. No. 1,4e-105;
Matches 209; Conservative 29; Mismatches 35; Indels 0; Gaps 0;

1 VIRMPFSLSTVSLVWMAAVLCTAQQVQVOTDEREQYTTASLKSLQNAQALIVTW 60
5 VRRPFCSTSTSLWMAAVALSTAQVEVVTQDERKALHTASLRCSLKTQEPILIVTW 64
QY 61 QKKKAVSPENMTVFSENGVVIQPAYKDKINITQGLONSTTFNNITLEDGCMCLFN 120
DB 65 QKKKAVSPENMTVSKTGCVVQIPAYKDRINTTELGLMNSITTFNNITLEDGCMCLFN 124
QY 121 TFGFGKISTACTLVYVQPIVSLHYKFSBDHNTCSATAPAPVFWKVPKSGIENSTV 180
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DB 125 MFGSGKISGCTACTLVYVQPIVSLHYKFSBDHNTCSATAPAPVFWKVPKSGIENSTV 184
QY 181 TUSHNGTSTVSTLIHKDPKNQVKEVICOVLHGTVDQFQTKNGKWSVPLLSIV 240
DB 185 SHFHSNGTSTVSTLIHKDPKNQVKEVICOVLHGTVDQFQTKNGKWSVPLLSIV 244
QY 241 SLVILLVLISILLWKRHRNQRGELSOGVQKM 273
DB 245 SLVILLVLISILLWKRHRNQRGELSOGVQKM 277

RESULT 4
US-09-435-956A-1
; Sequence 1, Application US/09435956A
; Patent No. 6469155
; GENERAL INFORMATION:
; APPLICANT: Universita degli Studi di Bologna
; TITLE OF INVENTION: High and Related V Domain for the Manufacture of a
; TITLE OF INVENTION: Medicament for Preventing or Treating HSV-1, HSV-2 and
; TITLE OF INVENTION: BHV Infections
; FILE REFERENCE: MODIANO
; CURRENT APPLICATION NUMBER: US/09/435,956A
; CURRENT FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 458
; TYPE: PRF
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Original Source: HeLa Cell Line
; OTHER INFORMATION: General Functional Class of Gene: Immunoglobulin
; OTHER INFORMATION: Superfamily
; OTHER INFORMATION: Binding Macromolecules: HSV-GD
; OTHER INFORMATION: Subcellular localization: Plasma Membrane
; OTHER INFORMATION: Other Information: Viral Receptor
US-09-435-956A-1

Query Match          12.7%; Score 181; DB 4; Length 458;
Best Local Similarity 27.7%; Pred. No. 4,2e-10;
Matches 66; Conservative 35; Mismatches 111; Indels 26; Gaps 10;

QY 12 YSLVWMAAVLCTAQQVQVOTDEREQY----TTSKSLQNAQALIVTWQKK 64
DB 14 WGLALGLTAFPLPGVHSQV--QVNDSTVYGFITGVVLHCSFAPPLPSVKITQVWQKST 71
QY 65 AVSPENMTVFSENGVVIQPAYKDKINITQGLONSTTFNNITLEDGCMCLFNTPGF 124
DB 72 NSGKNVAVIYPSMGVSVLARYRVERFLRSPFTDGTIRSLRLBLEDGCVICGFTPTPT 131
QY 125 GKISGCTACTLVYVQPI-----VSLHYKFSBDH--LNTTC--SATAPAPVFWKVPKSG 174
DB 132 GNRSQLNLTVMAKPTWMEGTQAVLRKKGQDDKVLVATCTSANCKPVSVMETRLKG 191
QY 175 IENSTVTLSPNGTSTVSTLIHKDPKNQVKEVICOVLHGTVDQFQTKNGKWSVPLLSIV 229
DB 192 -EAQVEIRNBNQGTIVTISRVLVPSRBAHQOQSLACIVNYHMDR--FKESLTILNVQY 245

RESULT 5
US-09-724-864-62
; Sequence 62, Application US/09724864
; Patent No. 6380362
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Watson, James G.
; TITLE OF INVENTION: Polynucleotides, polypeptides expressed
; TITLE OF INVENTION: by the polynucleotides and methods for their use.
; FILE REFERENCE: 11000.1050U1
; CURRENT APPLICATION NUMBER: US/09/724,864
; CURRENT FILING DATE: 2000-11-28
```

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; PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171, 678
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 62
; LENGTH: 408
; TYPE: PRT
; ORGANISM: Mouse
US-09-724-864-62

Query Match
Best Local Similarity 11.5%; Score 164; DB 4; Length 408;
Matches 53; Conservative 27; Mismatches 84; Indels 26; Gaps 6;

42 TASLKCSIQNQEAL--VTWQKKAASBPENNV--TFSENHGVVQIPAKDKINITQLGQ 98
45 STTLHCSLTSENENVTITQITWKKKDSGSHALVAFHPRKGNIEPRVFLAAQODLR 104
99 NSTITFNMTLEDEGCYMCLEFNTFGFGKISGTACTVTVVQIVSLHYKFSEDHLNIT--- 155
105 NASLAISLVSDEGIVYECQIATFPRGSRSTVAMLKQARP-----KQTALEPSPPTL 158
156 -----CSATARPAPVFWKPRSGIENSTVTLSPN--GITSVTSILHXDPKNQV 204
159 ILQVAKCISANGHPGRISWP---SNVNGSHREKKEPGSQGTITVTSLSYMWPSRQAD 215
205 GKEVICQVLH 214
216 GKNITCTVEH 225

RESULT 6
US-09-667-135-6
; Sequence 6, Application US/09667135
; Patent No. 6521749
; GENERAL INFORMATION:
; APPLICANT: Vincent Ling
; APPLICANT: Kyriaki Dumsisi-Joannopoulos
; TITLE OF INVENTION: NOVEL GL50 MOLECULES AND USES THEREFOR
; FILE REFERENCE: GNN-007
; CURRENT APPLICATION NUMBER: US/09/667,135
; CURRENT FILING DATE: 2000-09-21
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-667-135-6

Query Match
Best Local Similarity 9.7%; Score 139; DB 4; Length 309;
Matches 63; Conservative 56; Mismatches 94; Indels 72; Gaps 16;

23 LCTAQQVQVVTODE--REQLYTTASLKCSL-----QNAQEALIVTWQKKA 65
11 LIFSLSLRADQEKKEVRAMVSGDVELSCACPEGSFRDLNDVYVWQTSKTVVYHHPON 70
66 VSPENMTVFSBNHGVVQIPAYKDKINITQLGQNS--TITFNMTLEDEGCYMCLEF--NT 121
71 SLEN-----VDSRYRNRLMSPAGMLRGDFSLRLFNVTPODEQKHFCLVLSQS 119
122 FGFGKISGTACTVTVVQ-----PIVSLHYKFSEDHLNITC--SATARPAPVFW--KVPRS 173
120 LGFOEVLSE--VTLHVAANFSVPVVASPHSPODELFTCTISINGYPRPNYMWINKT DNS 178
174 -----GIENSTVTLSPNGTTSVTSILHI--KDPKNQV-----KEVICQVLHGTV--DFK 222
179 LLDQALQNDVYFL--NMRGLVYVSVLRIARTPSVNICCIENVLQQLNLTVGSQTGNDIG 237
223 Q-----TVNKGWFSVPLLISVSLVLLVLSILLYW 255
238 ERDKITENPVSTGEKNATW-----SILAVALCLLVVAVAIQW 275
```

```

US-09-667-135-31
; Sequence 31, Application US/09667135
; Patent No. 6521749
; GENERAL INFORMATION:
; APPLICANT: Vincent Ling
; APPLICANT: Kyriaki Dumsisi-Joannopoulos
; TITLE OF INVENTION: NOVEL GL50 MOLECULES AND USES THEREFOR
; FILE REFERENCE: GNN-007
; CURRENT APPLICATION NUMBER: US/09/667,135
; CURRENT FILING DATE: 2000-09-21
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 558
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY:
; LOCATION:
US-09-667-135-31

Query Match
Best Local Similarity 9.7%; Score 139; DB 4; Length 558;
Matches 63; Conservative 56; Mismatches 94; Indels 72; Gaps 16;

23 LCTAQQVQVVTODE--REQLYTTASLKCSL-----QNAQEALIVTWQKKA 65
53 LIFSLSLRADQEKKEVRAMVSGDVELSCACPEGSFRDLNDVYVWQTSKTVVYHHPON 112
66 VSPENMTVFSBNHGVVQIPAYKDKINITQLGQNS--TITFNMTLEDEGCYMCLEF--NT 121
113 SLEN-----VDSRYRNRLMSPAGMLRGDFSLRLFNVTPODEQKHFCLVLSQS 161
122 FGFGKISGTACTVTVVQ-----PIVSLHYKFSEDHLNITC--SATARPAPVFW--KVPRS 173
162 LGFOEVLSE--VTLHVAANFSVPVVASPHSPODELFTCTISINGYPRPNYMWINKT DNS 220
174 -----GIENSTVTLSPNGTTSVTSILHI--KDPKNQV-----KEVICQVLHGTV--DFK 222
221 LLDQALQNDVYFL--NMRGLVYVSVLRIARTPSVNICCIENVLQQLNLTVGSQTGNDIG 279
223 Q-----TVNKGWFSVPLLISVSLVLLVLSILLYW 255
280 ERDKITENPVSTGEKNATW-----SILAVALCLLVVAVAIQW 317

RESULT 8
US-09-068-051A-32
; Sequence 32, Application US/09068051A
; Patent No. 6291235
; GENERAL INFORMATION:
; APPLICANT: Old Lloyd J.; Welf, Sydney; Ritrer, Gerd;
; Simpson, Richard J.; Nice, Edward; Moritz, R. L.;
; Catimel, B.; Ji, Hong; Burgess, Anthony W.;
; Heath, Joan K.; White, Sara J.; Johnstone, Cameron
; TITLE OF INVENTION: Colon Cell And Colon Cancer Cell
; Associated Nucleic Acid Molecules, Protein And Peptides
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESS: Fulbright & Jaworski LLP
; STREET: 666 Fifth Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
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1 CURRENT APPLICATION DATA:
2 APPLICATION NUMBER: US/08/597,495B
3 FILING DATE: 02-Feb-1996
4 CLASSIFICATION: 435
5 PRIOR APPLICATION DATA:
6 APPLICATION NUMBER: 08/511,876
7 FILING DATE: 04-Aug-1995
8 ATTORNEY/AGENT INFORMATION:
9 NAME: Hanson, No. 5712369man D.
10 REGISTRATION NUMBER: 30,946
11 REFERENCE/DOCKET NUMBER: LUD 5316.1
12 TELECOMMUNICATION INFORMATION:
13 TELEPHONE: (212) 688-9200
14 TELEFAX: (212) 838-3884
15 INFORMATION FOR SEQ ID NO: 22:
16 SEQUENCE CHARACTERISTICS:
17 LENGTH: 319 amino acids
18 TYPE: amino acid
19 TOPOLOGY: linear
20
21 US-08-597-495B-22
22
23 Query Match 9.2%; Score 131.5; DB 1; Length 319;
24 Best Local Similarity 22.1%; Pred. No. 2.9e-05;
25 Matches 62; Conservative 49; Mismatches 120; Indels 49; Gaps 14;
26
27 QY YSLVWMAAVVLCRAQVQVYQDQ--RQLVTTASLKCSLQ---NAQELIYTWKKXAV 66
28 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
29 6 WPLVMTLCIAAVVYDAISVETPPQVLTLSQSGKSVTLPTHTYTSRSREGLI-QWDLILLT 64
30 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
31 QY SPENNWFPS-ENHGVIQIPAYKDKINITQLQ-NSTTFNNITLEDGCVYCLFNTFG- 123
32 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
33 Db HTERVVIMPEKNKRYIHGELYKMRVSIINNAEQSDASITIQOLTMADNGYSCSVLSMD 124
34 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
35 QY 124 -FGKISGTACTLVYVQP-----IVSLHYKSESDHLNITC-SATAPAPVFWKV 170
36 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
37 Db 125 LEGMTKSRVRLVLYVPSKPECGIEGETIIG-----NNIQLTCQSKSGSFTPOYSWK- 176
38 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
39 QY 171 PRGSIENSTVLSHP-----NGTSVTSILHITKDPKQVGVKVICQVHLGVTDPK 222
40 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
41 Db 177 -RYNLIHQEOLAPASGQPVSLKNISITDTSIGYYICTSSNEGTQ-FCNI---TVAVRS 230
42 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
43 QY 223 QTVNKGWFSVYLLISVILVILVILISILLYMKRHRNOD 262
44 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
45 Db 231 PSMNVALYGI-----AVGVVAALIIIGIITTYCCCCRGKD 265
46 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
47
48 RESULT 10
49 US-09-068-051A-22
50 Sequence 22, Application US/09068051A
51 Patent No. 6291235
52 GENERAL INFORMATION:
53 APPLICANT: Old, Lloyd J.; Welt, Sydney; Ritter, Gerd;
54 Simpson, Richard J.; Nice, Edouard; Moritz, R. L.;
55 Cathelin, B.; Ji, Hong; Burgess, Anthony W.;
56 Heath, Joan K.; White, Sara J.; Johnstone, Cameron
57 TITLE OF INVENTION: Colon Cell And Colon Cancer Cell
58 Associated Nucleic Acid Molecules, Protein And Peptides
59 NUMBER OF SEQUENCES: 33
60 CORRESPONDENCE ADDRESS:
61 ADDRESSEE: Fulbright & Jaworski LLP
62 STREET: 666 Fifth Avenue
63 CITY: New York City
64 STATE: New York
65 COUNTRY: USA
66 ZIP: 10103
67 COMPUTER READABLE FORM:
68 MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
69 COMPUTER: IBM PS/2
70 OPERATING SYSTEM: PC-DOS
71 SOFTWARE: Wordperfect
72 CURRENT APPLICATION DATA:
73 APPLICATION NUMBER: US/09/068,051A
74 FILING DATE: 10-Dec-1998
75

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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/597,495
FILING DATE: 02-Feb-1996
APPLICATION NUMBER: 08/511,876
FILING DATE: 04-Aug-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 6291235man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5316.2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 318-3168
TELEFAX: (212) 752-5958
INFORMATION FOR SEQ ID NO: 22
SEQUENCE CHARACTERISTICS:
LENGTH: 319 amino acids
TYPE: amino acid
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 22
US-09-068-051A-22

Query Match
Best Local Similarity 22.1%; Score 131.5; DB 3; Length 319;
Matches 62; Conservative 49; Mismatches 120; Indels 49; Gaps 14;

QY 12 YSLVWMAAVLCTAQOVVYODE--REQLYTTASLKCSLQ--NAQELLYTWQKKAV 66
DB 6 WPLVMTLCVAVTVDAISVETPODVLRAQSGKSVLPCTYHTSTSSREGLI-QMDKLLLT 64
QY 67 SPENNVTFSS-ENHGVVIOPAVKDKINITQGLQ-NSTITFMNITLEDGCYMCLENTFG- 123
DB 65 HTERVVIWPFNSKNVYIHGELYKNRVSISNNAEQSDASITIDQLTMADNCTECSVLSMD 124
QY 124 -FGKISGTAQCTLVVYQV-----IVSLHYKFSDEHNLITC-SATARPAPVFWKV 170
DB 125 LEGNTKSRVRLVLPVPSKPEGIEGETIIG-----NNIQLTQSGKESGPTPOYSWK- 176
QY 171 PRSGIENSTVTLSPH-----NGTTSVTSILHIKDPKNQGVKEVICQVHLGTVTDFK 222
DB 177 -RYNLINQOPLAOPASQGPVSLKNISTDTSGYIICTSSNEBGTQ-FCNI-----TVAVRS 230
QY 223 QTVNKGWFSVPLLSIVSLVILVLSILLYWKRRHND 262
DB 231 PSMNVALVYGI-----AVGVVAALIIIGIITCCCRGKD 265

RESULT 11
US-09-336-536-67
Sequence 67, Application US/09336536
Patent No. 6406884
GENERAL INFORMATION:
APPLICANT: Leiby, K.
APPLICANT: McKay, C.
APPLICANT: Bossone, S.
TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
FILE REFERENCE: 7853-144
CURRENT APPLICATION NUMBER: US/09/336,536
CURRENT FILING DATE: 1999-06-18
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 67
LENGTH: 319
TYPE: PRT
ORGANISM: Homo sapiens
US-09-336-536-67

Query Match
Best Local Similarity 22.1%; Score 131.5; DB 4; Length 319;
Matches 62; Conservative 49; Mismatches 120; Indels 49; Gaps 14;

QY 12 YSLVWMAAVLCTAQOVVYODE--REQLYTTASLKCSLQ--NAQELLYTWQKKAV 66
DB 6 WPLVMTLCVAVTVDAISVETPODVLRAQSGKSVLPCTYHTSTSSREGLI-QMDKLLLT 64
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QY 67 SPENNVTFSS-ENHGVVIOPAVKDKINITQGLQ-NSTITFMNITLEDGCYMCLENTFG- 123
DB 65 HTERVVIWPFNSKNVYIHGELYKNRVSISNNAEQSDASITIDQLTMADNCTECSVLSMD 124
QY 124 -FGKISGTAQCTLVVYQV-----IVSLHYKFSDEHNLITC-SATARPAPVFWKV 170
DB 125 LEGNTKSRVRLVLPVPSKPEGIEGETIIG-----NNIQLTQSGKESGPTPOYSWK- 176
QY 171 PRSGIENSTVTLSPH-----NGTTSVTSILHIKDPKNQGVKEVICQVHLGTVTDFK 222
DB 177 -RYNLINQOPLAOPASQGPVSLKNISTDTSGYIICTSSNEBGTQ-FCNI-----TVAVRS 230
QY 223 QTVNKGWFSVPLLSIVSLVILVLSILLYWKRRHND 262
DB 231 PSMNVALVYGI-----AVGVVAALIIIGIITCCCRGKD 265

RESULT 12
US-09-254-465A-6
Sequence 6, Application US/09254465A
Patent No. 6410708
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Fong, Sherman
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Napier, Mary A.
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William I.
TITLE OF INVENTION: COMPOUNDS, COMPOSITIONS AND METHODS FOR THE TREATMENT
OF DISEASES CHARACTERIZED BY A33-RELATED ANTIGENS
FILE REFERENCE: P1216R1(US)
CURRENT APPLICATION NUMBER: US/09/254,465A
CURRENT FILING DATE: 1999-03-05
PRIORITY APPLICATION NUMBER: PCT/US98/24855
PRIORITY FILING DATE: 1998-11-20
PRIORITY APPLICATION NUMBER: US 60/066,364
PRIORITY FILING DATE: 1997-11-21
PRIORITY APPLICATION NUMBER: US 60/078,936
PRIORITY FILING DATE: 1998-03-20
PRIORITY APPLICATION NUMBER: PCT/US98/19437
PRIORITY FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 30
SEQ ID NO 6
LENGTH: 319
TYPE: PRT
ORGANISM: Homo sapiens
US-09-254-465A-6

Query Match
Best Local Similarity 22.1%; Score 131.5; DB 4; Length 319;
Matches 62; Conservative 49; Mismatches 120; Indels 49; Gaps 14;

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DB 6 WPLVMTLCVAVTVDAISVETPODVLRAQSGKSVLPCTYHTSTSSREGLI-QMDKLLLT 64
QY 67 SPENNVTFSS-ENHGVVIOPAVKDKINITQGLQ-NSTITFMNITLEDGCYMCLENTFG- 123
DB 65 HTERVVIWPFNSKNVYIHGELYKNRVSISNNAEQSDASITIDQLTMADNCTECSVLSMD 124
QY 124 -FGKISGTAQCTLVVYQV-----IVSLHYKFSDEHNLITC-SATARPAPVFWKV 170
DB 125 LEGNTKSRVRLVLPVPSKPEGIEGETIIG-----NNIQLTQSGKESGPTPOYSWK- 176
QY 171 PRSGIENSTVTLSPH-----NGTTSVTSILHIKDPKNQGVKEVICQVHLGTVTDFK 222
DB 177 -RYNLINQOPLAOPASQGPVSLKNISTDTSGYIICTSSNEBGTQ-FCNI-----TVAVRS 230
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DB 231 PSMNVALVYGI-----AVGVVAALIIIGIITCCCRGKD 265
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GenCore version 5.1.6  
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## OM protein - protein search, using sw model

Run on: November 26, 2003, 10:20:19 ; Search time 23.4458 Seconds  
(without alignments) updates/sec  
2186.970 Million cell

Title: US-09-934-634-21

Perfect score: 1458  
Sequence: 1 MGSPVFRFPCHLSTYSLW.....MKHRNORRGSSGQMQRMK 278

## Scoring table:

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Gapop 10.0 , Gapext 0.5

Searched: 673684 seqs, 184443283 residues

Total number of hits satisfying chosen parameters: 673684

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

## Database :

Published Applications AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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1	1458	100.0	278	10	US-09-915-524-21 Sequence 21, App1
2	1458	100.0	278	10	US-09-934-634-21 Sequence 21, App1
3	1458	100.0	278	10	US-09-917-278-21 Sequence 21, App1
4	1441	98.8	278	14	US-10-086-972-3 Sequence 3, App1
5	1360	93.3	278	10	US-09-915-524-2 Sequence 2, App1
6	1360	93.3	278	10	US-09-934-634-2 Sequence 2, App1
7	1360	93.3	278	10	US-09-917-278-2 Sequence 2, App1
8	1354	92.9	278	14	US-10-086-972-2 Sequence 2, App1
9	1110	76.1	274	10	US-09-915-524-19 Sequence 19, App1
10	1110	76.1	274	10	US-09-934-634-19 Sequence 19, App1
11	1110	76.1	274	10	US-09-917-278-19 Sequence 19, App1
12	1110	76.1	274	14	US-10-086-972-1 Sequence 1, App1
13	1065	73.0	262	11	US-09-978-418-12 Sequence 12, App1
14	163.5	11.2	438	11	US-09-959-845-6 Sequence 6, App1
15	163.5	11.2	438	11	US-09-972-268-19 Sequence 19, App1

16	163.5	11.2	510	11	US-09-959-845-4 Sequence 4, App1
17	163.5	11.2	510	11	US-09-972-268-18 Sequence 18, App1
18	163.5	11.2	549	11	US-09-959-845-2 Sequence 2, App1
19	163.5	11.2	549	11	US-09-972-268-17 Sequence 17, App1
20	162	11.1	458	11	US-09-972-268-21 Sequence 21, App1
21	162	11.1	514	15	US-10-161-572-60 Sequence 60, App1
22	162	11.1	517	11	US-09-972-268-20 Sequence 20, App1
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24	159.5	10.9	426	11	US-09-972-268-15 Sequence 15, App1
25	159.5	10.9	437	11	US-09-972-268-31 Sequence 31, App1
26	159.5	10.9	504	11	US-09-972-268-8 Sequence 8, App1
27	159.5	10.9	510	11	US-09-972-268-10 Sequence 10, App1
28	159.5	10.9	510	11	US-09-972-268-12 Sequence 12, App1
29	159.5	10.9	542	11	US-09-972-268-2 Sequence 2, App1
30	159.5	10.9	549	11	US-09-972-268-4 Sequence 4, App1
31	159.5	10.9	549	11	US-09-972-268-6 Sequence 6, App1
32	159.5	10.9	549	15	US-10-161-572-45 Sequence 45, App1
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34	159.5	10.9	634	11	US-09-972-268-13 Sequence 13, App1
35	148	10.2	255	11	US-09-866-050A-703 Sequence 703, App
36	140.5	9.6	300	12	US-10-032-214-65 Sequence 65, App1
37	140.5	9.6	518	10	US-09-919-172-20 Sequence 20, App1
38	137.5	9.4	303	12	US-10-032-214-215 Sequence 215, App
39	135.5	9.3	417	11	US-09-972-268-25 Sequence 25, App1
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41	134.5	9.2	303	12	US-10-032-214-59 Sequence 59, App1
42	134.5	9.2	303	12	US-10-032-214-197 Sequence 197, App
43	134	9.2	299	12	US-10-032-214-49 Sequence 49, App1
44	134	9.2	299	12	US-10-032-214-50 Sequence 50, App1
45	134	9.2	299	12	US-10-032-214-281 Sequence 281, App

## ALIGNMENTS

RESULT 1  
US-09-915-524-21  
Sequence 21, Application US/09915524  
Patent No. US20020103151A1  
GENERAL INFORMATION:  
APPLICANT: Gorczynski, Reginald M.  
TITLE OR INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-38  
CURRENT FILING DATE: 2001-07-27  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 21  
LENGTH: 278  
TYPE: PRT  
ORGANISM: Rattus norvegicus  
US-09-915-524-21

Query Match 100.0%; Score 1458; DB 10; Length 278;  
Best Local Similarity 100.0%; Pred. No. 1.1e-139;  
Matches 278; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 241 LSIIVSLVILVILISILLYWKRRHNOERGESGQMORMK 278

RESULT 2
US-09-934-634-21
; Sequence 21, Application US/09934634
; Patent No. US20020151485A1
; GENERAL INFORMATION:
; APPLICANT: Gorczynski, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Modulating Fertility
; FILE REFERENCE: 9579-34
; CURRENT APPLICATION NUMBER: US/09/934,634
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: US 09/570,367
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 21
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-934-634-21

Query Match 100.0%; Score 1458; DB 10; Length 278;
Best Local Similarity 100.0%; Pred. No. 1,1e-139;
Matches 278; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3
US-09-917-278-21
; Sequence 21, Application US/09917278
; Patent No. US20020168364A1
; GENERAL INFORMATION:
; APPLICANT: Gorczynski, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth
; FILE REFERENCE: 9579-39
; CURRENT APPLICATION NUMBER: US/09/917,278
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/222,725
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 21
; LENGTH: 278
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; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-917-278-21

Query Match 100.0%; Score 1458; DB 10; Length 278;
Best Local Similarity 100.0%; Pred. No. 1,1e-139;
Matches 278; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 241 LSIIVSLVILVILISILLYWKRRHNOERGESGQMORMK 278

RESULT 4
US-10-066-972-3
; Sequence 3, Application US/10086972
; Publication No. US20020192215A1
; GENERAL INFORMATION:
; APPLICANT: Hoek, Robert M.
; TITLE OF INVENTION: Sedgwick, Jonathan D.
; TITLE OF INVENTION: No. US20020192215A1e1 Uses of Mammalian OX2 Protein and Related
; FILE REFERENCE: DX0936K
; CURRENT APPLICATION NUMBER: US/10/066,972
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US/09/547,432
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 278
; TYPE: PRT
; ORGANISM: rodent
US-10-066-972-3

Query Match 98.8%; Score 1441; DB 14; Length 278;
Best Local Similarity 99.3%; Pred. No. 5,6e-138;
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## RESULT 5

US-09-915-524-2  
; Sequence 2, Application US/09915524  
; Patent No. US20020103151A1  
; GENERAL INFORMATION:  
; APPLICANT: Gorczynski, Reginald M.  
; APPLICANT: Clark, David A.  
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
; FILE REFERENCE: 9579-38  
; CURRENT APPLICATION NUMBER: US/09/915,524  
; PRIOR FILING DATE: 2001-07-27  
; PRIOR APPLICATION NUMBER: US 60/064,764  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 2  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-915-524-2

Query Match 93.3%; Score 1360; DB 10; Length 278;  
Best Local Similarity 93.2%; Pred. No. 9.5e-130;  
Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

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QY 121 CLFPMFGSKVSGTACLTLYVQPIVHLHYNYFEHHLNITCSATARPAPAIKSGTSGIE 180  
Db 121 CLFPMFGSKVSGTACLTLYVQPIVHLHYNYFEHHLNITCSATARPAPAIKSGTSGIE 180  
QY 181 NSTESHSHSNGTTSVTSILRVKDPKTOVGKEVICQVLYLGNVIDYKOSLDGFWFVSPLL 240  
Db 181 NSTESHSHSNGTTSVTSILRVKDPKTOVGKEVICQVLYLGNVIDYKOSLDGFWFVSPLL 240  
QY 241 LSIIVSLVILLVLIISILLYWKRRHNRQERGESGQGMQRMK 278  
Db 241 LSIIVSLVILLVLIISILLYWKRRHNRQERGESGQGMQRMK 278

## RESULT 6

US-09-934-634-2  
; Sequence 2, Application US/09934634  
; Patent No. US20020151485A1  
; GENERAL INFORMATION:  
; APPLICANT: Gorczynski, Reginald M.  
; APPLICANT: Clark, David A.  
; TITLE OF INVENTION: Methods and Compositions for Modulating Fertility  
; FILE REFERENCE: 9579-34  
; CURRENT APPLICATION NUMBER: US/09/934,634  
; PRIOR FILING DATE: 2001-08-23  
; PRIOR APPLICATION NUMBER: US 09/570,367  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 2  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-934-634-2

Query Match 93.3%; Score 1360; DB 10; Length 278;  
Best Local Similarity 93.2%; Pred. No. 9.5e-130;  
Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

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Db 241 LSIIVSLVILLVLIISILLYWKRRHNRQERGESGQGMQRMK 278

## RESULT 7

US-09-917-278-2  
; Sequence 2, Application US/09917278  
; Patent No. US20020168364A1  
; GENERAL INFORMATION:  
; APPLICANT: Gorczynski, Reginald M.  
; APPLICANT: Clark, David A.  
; TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth  
; FILE REFERENCE: 9579-39  
; CURRENT APPLICATION NUMBER: US/09/917,278  
; PRIOR FILING DATE: 2001-07-30  
; PRIOR APPLICATION NUMBER: US 60/064,764  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: US 60/222,725  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 2  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-917-278-2

Query Match 93.3%; Score 1360; DB 10; Length 278;  
Best Local Similarity 93.2%; Pred. No. 9.5e-130;  
Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

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Db 61 IVTWOKKKAAGPENNVVTSKAGVVIOPVYKDRINTELGLNLSITFMNTTLLDGGCYM 120  
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QY 241 LSIIVSLVILLVLIISILLYWKRRHNRQERGESGQGMQRMK 278  
Db 241 LSIIVSLVILLVLIISILLYWKRRHNRQERGESGQGMQRMK 278

RESULT 8  
US-10-086-972-2  
; Sequence 2, Application US/10086972

Publication No. US20020192215A1  
GENERAL INFORMATION:  
APPLICANT: Hoeft, Robert M.  
APPLICANT: Sedgwick, Jonathan D.  
TITLE OF INVENTION: No. US20020192215A1 Uses of Mammalian OX2 Protein and Related  
FILE REFERENCE: Reagents  
CURRENT APPLICATION NUMBER: US/10/086,972  
CURRENT FILING DATE: 2002-03-01  
PRIOR APPLICATION NUMBER: US/09/547,432  
PRIOR FILING DATE: 2000-04-12  
NUMBER OF SEQ ID NOS: 3  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 2  
LENGTH: 278  
TYPE: PRT  
ORGANISM: rodent  
US-10-086-972-2

Query Match 92.9%; Score 1354; DB 14; Length 278;  
Best Local Similarity 92.8%; Pred. No. 3.9e-129;  
Matches 258; Conservative 7; Mismatches 13; Indels 0; Gaps 0;

QY 1 MGSPPFRPCHLSTYSLMAIAVALSTAQVEVVTODERKLIHTTASLRCSLKTTOEPL 60  
DB 1 MASLVFRPCHLSTYSLMGMAVALSTAQVEVVTODERKLIHTTASLRCSLKTTOEPL 60  
QY 61 IYTWOKKAVGPENNVTYSKAGVVIQPTKDRINITEGLINTSITFWNTLLDGGCYM 120  
DB 61 IYTWOKKAVGPENNVTYSKAGVVIQPTKDRINITEGLINTSITFWNTLLDGGCYM 120  
QY 121 CLFNNFGSGVGTCLTYVQPIVHLHYNVEFHHNLITCSATAPAPASWKGSGSGTE 180  
DB 121 CLFNTFGSGVGTCLTYVQPIVHLHYNVEFHHNLITCSATAPAPASWKGSGSGTE 180  
QY 181 NSTESHSHNGTTSVTSILRVDPKTOVGEVYICQVLYGNVIDYKOSLDKGFWSVPL 240  
DB 181 NSTESHSHNGTTSVTSILRVDPKTOVGEVYICQVLYGNVIDYKOSLDKGFWSVPL 240  
QY 241 LSVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVIL 278  
DB 241 LSVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVIL 278

## RESULT 9

US-09-915-524-19  
Sequence 19, Application US/09915524  
Patent No. US20020103151A1  
GENERAL INFORMATION:  
APPLICANT: Gorczynski, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-38  
CURRENT APPLICATION NUMBER: US/09/915,524  
CURRENT FILING DATE: 2001-07-27  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: Patent In version 3.1  
SEQ ID NO 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-915-524-19

Query Match 76.1%; Score 1110; DB 10; Length 274;  
Best Local Similarity 76.6%; Pred. No. 2.3e-104;  
Matches 209; Conservative 29; Mismatches 35; Indels 0; Gaps 0;

QY 5 VRRPCHLSTYSLMAIAVALSTAQVEVVTODERKLIHTTASLRCSLKTTOEPLIYTW 64  
DB 1 VIRMPFSLSTYSLVWMAAVLCTAQVQVVTODERKLIHTTASLRCSLKTTOEPLIYTW 60

QY 65 OKKAVGPENNVTYSKAGVVIQPTKDRINITEGLINTSITFWNTLLDGGCYMCLFN 124  
DB 61 OKKAVGPENNVTYSKAGVVIQPTKDRINITEGLINTSITFWNTLLDGGCYMCLFN 120  
QY 125 MFGSGVGTCLTYVQPIVHLHYNVEFHHNLITCSATAPAPASWKGSGSGIENSTE 184  
DB 121 TFGGKISGTACTLVYVQPIVSLHYKFESEDLNITCSATAPAPAVFWKVRSGIENSTV 180  
QY 185 SHSHNGTTSVTSILRVDPKTOVGEVYICQVLYGNVIDYKOSLDKGFWSVPLLSIV 244  
DB 181 TLSHNGTTSVTSILRVDPKTOVGEVYICQVLYGNVIDYKOSLDKGFWSVPLLSIV 240  
QY 245 SLVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVIL 277  
DB 241 SLVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVIL 273

## RESULT 10

US-09-934-634-19  
Sequence 19, Application US/09934634  
Patent No. US20020151485A1  
GENERAL INFORMATION:  
APPLICANT: Gorczynski, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Modulating Fertility  
FILE REFERENCE: 9579-34  
CURRENT APPLICATION NUMBER: US/09/934,634  
CURRENT FILING DATE: 2001-08-23  
PRIOR APPLICATION NUMBER: US 09/570,367  
PRIOR FILING DATE: 1998-05-05  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: Patent In version 3.0  
SEQ ID NO 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-934-634-19

Query Match 76.1%; Score 1110; DB 10; Length 274;  
Best Local Similarity 76.6%; Pred. No. 2.3e-104;  
Matches 209; Conservative 29; Mismatches 35; Indels 0; Gaps 0;

QY 5 VRRPCHLSTYSLMAIAVALSTAQVEVVTODERKLIHTTASLRCSLKTTOEPLIYTW 64  
DB 1 VIRMPFSLSTYSLVWMAAVLCTAQVQVVTODERKLIHTTASLRCSLKTTOEPLIYTW 60  
QY 65 OKKAVGPENNVTYSKAGVVIQPTKDRINITEGLINTSITFWNTLLDGGCYMCLFN 124  
DB 61 OKKAVGPENNVTYSKAGVVIQPTKDRINITEGLINTSITFWNTLLDGGCYMCLFN 120  
QY 125 MFGSGVGTCLTYVQPIVHLHYNVEFHHNLITCSATAPAPASWKGSGSGIENSTE 184  
DB 121 TFGGKISGTACTLVYVQPIVSLHYKFESEDLNITCSATAPAPAVFWKVRSGIENSTV 180  
QY 185 SHSHNGTTSVTSILRVDPKTOVGEVYICQVLYGNVIDYKOSLDKGFWSVPLLSIV 244  
DB 181 TLSHNGTTSVTSILRVDPKTOVGEVYICQVLYGNVIDYKOSLDKGFWSVPLLSIV 240  
QY 245 SLVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVIL 277  
DB 241 SLVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVIL 273

## RESULT 11

US-09-917-278-19  
Sequence 19, Application US/09917278  
Patent No. US20020168364A1  
GENERAL INFORMATION:  
APPLICANT: Gorczynski, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth  
FILE REFERENCE: 9579-39  
CURRENT APPLICATION NUMBER: US/09/917,278



;; CURRENT FILING DATE: 2001-07-30  
;; PRIOR APPLICATION NUMBER: US 60/064,764  
;; PRIOR FILING DATE: 1997-11-07  
;; PRIOR APPLICATION NUMBER: US 60/222,725  
;; PRIOR FILING DATE: 2000-08-03  
;; NUMBER OF SEQ ID NOS: 22  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO: 19  
;; LENGTH: 274  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-09-917-278-19

Query Match 76.1%; Score 1110; DB 10; Length 274;  
Best Local Similarity 76.6%; Pred. No. 2.3e-104;  
Matches 209; Conservative 29; Mismatches 35; Indels 0; Gaps 0;

QY 5 VRRPFCILSTSLMAIAVALSTAQVEVVTQDERKLLHTTASLRCSLKTQEPILVTW 64  
DB 1 VIRMPFSHSTSLVWMAAVALCTAQOVVTVQDEREQLYTTASLKCSLQNAQEAALIVTW 60  
QY 65 OKKAVGPNMWTYSKAGVVIQPTKYKDRINITEGLNTSITFMNTLLDDGQCYWCLFN 124  
DB 61 OKKAVSPENMWTFSFNHGVVIOPAVKDKINITQLQNSTITFMNITLEDGQCYWCLFN 120  
QY 125 MEGSGVSGTACLTLYVQPIVHLHNYFEHHLNITCSATAPAPALSMWGTSGIENSTV 184  
DB 121 TGFQGISGTACLTLYVQPIVSLHYKFSSEDLNITCSATAPAPAPMFWKVPSSGIENSTV 180  
QY 185 SHSHNGTTSVTSILRVKDPKTQVGEVICOVLYLGNVLDYQSLDKGFWFVPLLSIV 244  
DB 181 TISHPRTTSVTSILHIKPKQVGEVICOVHLGTVTDFQTYNKGWFSVPLLSIV 240  
QY 245 SLVILLVLSILLWKRHRNOERGESSQGMORM 277  
DB 241 SLVILLVLSILLWKRHRNOERGELSGQVQRM 273

RESULT 12  
US-10-086-972-1  
; Sequence 1, Application US/10086972  
; Publication No. US20020192215A1.  
; GENERAL INFORMATION:  
; APPLICANT: Hoeck, Robert M.  
; TITLE OF INVENTION: Sedgwick, Jonathan D.  
; TITLE OF INVENTION: No. US20020192215A1e1 Uses of Mammalian OX2 Protein and Related  
; FILE REFERENCE: DX0936K  
; CURRENT APPLICATION NUMBER: US/10/086,972  
; CURRENT FILING DATE: 2002-03-01  
; PRIOR APPLICATION NUMBER: US/09/547,432  
; PRIOR FILING DATE: 2000-04-12  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 1  
; LENGTH: 274  
; TYPE: PRT  
; ORGANISM: primate  
US-10-086-972-1

Query Match 76.1%; Score 1110; DB 14; Length 274;  
Best Local Similarity 76.6%; Pred. No. 2.3e-104;  
Matches 209; Conservative 29; Mismatches 35; Indels 0; Gaps 0;

QY 5 VRRPFCILSTSLMAIAVALSTAQVEVVTQDERKLLHTTASLRCSLKTQEPILVTW 64  
DB 1 VIRMPFSHSTSLVWMAAVALCTAQOVVTVQDEREQLYTTASLKCSLQNAQEAALIVTW 60  
QY 65 OKKAVGPNMWTYSKAGVVIQPTKYKDRINITEGLNTSITFMNTLLDDGQCYWCLFN 124  
DB 61 OKKAVSPENMWTFSFNHGVVIOPAVKDKINITQLQNSTITFMNITLEDGQCYWCLFN 120  
QY 125 MEGSGVSGTACLTLYVQPIVHLHNYFEHHLNITCSATAPAPALSMWGTSGIENSTV 184

DB 121 TGFQGISGTACLTLYVQPIVSLHYKFSSEDLNITCSATAPAPAPMFWKVPSSGIENSTV 180  
QY 185 SHSHNGTTSVTSILRVKDPKTQVGEVICOVLYLGNVLDYQSLDKGFWFVPLLSIV 244  
DB 181 TISHPRTTSVTSILHIKPKQVGEVICOVHLGTVTDFQTYNKGWFSVPLLSIV 240  
QY 245 SLVILLVLSILLWKRHRNOERGESSQGMORM 277  
DB 241 SLVILLVLSILLWKRHRNOERGELSGQVQRM 273

RESULT 13  
US-09-978-418-12  
; Sequence 12, Application US/09978418  
; Publication No. US20030118997A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjamin, Stephan  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNA5 AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 142.US5.REG  
; CURRENT APPLICATION NUMBER: US/09/978,418  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: 60/311,305  
; PRIOR FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: 60/314,734  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: 60/318,204  
; PRIOR FILING DATE: 2001-09-07  
; PRIOR APPLICATION NUMBER: 60/326,470  
; PRIOR FILING DATE: 2001-10-01  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: Jpatent  
; SEQ ID NO: 12  
; LENGTH: 262  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..23  
US-09-978-418-12

Query Match 73.0%; Score 1065; DB 11; Length 262;  
Best Local Similarity 77.2%; Pred. No. 8.2e-100;  
Matches 200; Conservative 27; Mismatches 32; Indels 0; Gaps 0;

QY 9 PFCILSTSLMAIAVALSTAQVEVVTQDERKLLHTTASLRCSLKTQEPILVTWOKK 68  
DB 2 PFSHSTSLVWMAAVALCTAQOVVTVQDEREQLYTTASLKCSLQNAQEAALIVTWOKK 61  
QY 69 AVGPENMWTYSKAGVVIQPTKYKDRINITEGLNTSITFMNTLLDDGQCYWCLFNMFQS 128  
DB 62 AVSPENMWTFSFNHGVVIOPAVKDKINITQLQNSTITFMNITLEDGQCYWCLFNFTGF 121  
QY 129 GKVSGTACLTLYVQPIVHLHNYFEHHLNITCSATAPAPAPALSMWGTSGIENSTESH 188  
DB 122 KRISGTACLTLYVQPIVSLHYKFSSEDLNITCSATAPAPAPMFWKVPSSGIENSTVLSH 181  
QY 189 SNGTTSVTSILRVKDPKTQVGEVICOVLYLGNVLDYQSLDKGFWFVPLLSIVSVI 248  
DB 182 PRTTSVTSILHIKPKQVGEVICOVHLGTVTDFQTYNKGWFSVPLLSIVSVI 241  
QY 249 LVLVLSILLWKRHRNOER 267  
DB 242 LVLVLSILLWKRHRNOER 260

RESULT 14  
US-09-959-845-6  
; Sequence 6, Application US/09959845  
; Publication No. US20030008334A1  
; GENERAL INFORMATION:  
; APPLICANT: Yoshimi TAKAI



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## OM protein - protein search, using sw model

Run on: November 26, 2003, 10:17:08 ; Search time 12.7277 Seconds  
(without alignments)  
924.158 Million cell updates/sec

Title: US-09-934-634-21

Perfect score: 1458

Sequence: 1 MGSPVFRFPFCHLSTYSLLW.....MKRRHQERGSQGMQRMK 278

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:\*

- 1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*
- 2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*
- 3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*
- 4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*
- 5: /cgn2\_6/ptodata/1/1aa/PCTUS.COMB.pep:\*
- 6: /cgn2\_6/ptodata/1/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1458	100.0	278	4	US-09-570-367C-21
2	1360	93.3	278	4	US-09-570-367C-2
3	1110	76.1	274	4	US-09-570-367C-19
4	161	11.0	458	4	US-09-435-956A-1
5	148	10.2	408	4	US-09-724-864-62
6	135	9.3	299	4	US-09-651-200-15
7	135	9.3	318	3	US-09-068-051A-32
8	126.5	8.7	325	4	US-09-651-200-20
9	126	8.6	329	4	US-09-667-135-32
10	125.5	8.6	319	1	US-08-597-495B-22
11	125.5	8.6	319	3	US-09-068-051A-22
12	125.5	8.6	319	4	US-09-336-536-67
13	125.5	8.6	319	4	US-09-254-465A-6
14	125	8.6	329	2	US-08-456-104-2
15	125	8.6	329	2	US-08-101-624-2
16	125	8.6	329	3	US-08-479-744A-2
17	125	8.6	329	3	US-08-280-757B-2
18	125	8.6	329	3	US-08-205-697A-23
19	125	8.6	329	3	US-08-702-525-23
20	125	8.6	329	4	US-08-403-253A-4
21	125	8.6	329	4	US-08-435-816A-4
22	125	8.6	329	5	PCT-US95-02576-23
23	124	8.5	292	4	US-09-303-040-4
24	122	8.4	292	4	US-09-651-200-16
25	122	8.4	292	4	US-09-303-040-2
26	115	7.9	323	4	US-09-651-200-21
27	115	7.9	323	5	PCT-US94-09642-2

28	111.5	7.6	1101	3	US-08-986-485-2	Sequence 2, Appl1
29	111	7.6	270	4	US-09-254-465A-24	Sequence 24, Appl1
30	111	7.6	273	4	US-09-254-465A-26	Sequence 26, Appl1
31	110.5	7.6	329	4	US-09-651-200-19	Sequence 19, Appl1
32	110.5	7.6	442	4	US-09-778-510-20	Sequence 20, Appl1
33	110	7.5	309	4	US-09-667-135-6	Sequence 6, Appl1
34	110	7.5	558	4	US-09-667-135-11	Sequence 31, Appl1
35	107.5	7.4	215	4	US-09-996-243-389	Sequence 389, App
36	107.5	7.4	218	3	US-09-068-655-7	Sequence 7, Appl1
37	106.5	7.3	423	4	US-09-778-510-22	Sequence 22, Appl1
38	106.5	7.3	462	2	US-08-752-307B-7	Sequence 7, Appl1
39	106.5	7.3	462	4	US-09-707-802-7	Sequence 7, Appl1
40	106.5	7.3	462	4	US-09-991-326-7	Sequence 7, Appl1
41	106.5	7.3	465	2	US-08-752-307B-5	Sequence 5, Appl1
42	106.5	7.3	465	4	US-09-707-802-5	Sequence 5, Appl1
43	106.5	7.3	465	4	US-09-991-326-5	Sequence 5, Appl1
44	105.5	7.2	946	5	PCT-US95-08493-13	Sequence 13, Appl1
45	103.5	7.1	589	2	US-08-724-394A-1	Sequence 1, Appl1

## ALIGNMENTS

```
RESULT 1
US-09-570-367C-21
; Sequence 21, Application US/09570367C
; Patent No. 6338851
; GENERAL INFORMATION:
; APPLICANT: Gorczynski, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation
; FILE REFERENCE: 9579-21
; CURRENT APPLICATION NUMBER: US/09/570,367C
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 21
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; US-09-570-367C-21

Query Match      100.0%; Score 1458; DB 4; Length 278;
Best Local Similarity 100.0%; Pred. No. 2.8e-150;
Matches 278; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSPVFRFPFCHLSTYSLLWIAAVALSTAQVEVVTODERKLTHTTASIRCSLKTQEP1 60
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DB 1 MGSPVFRFPFCHLSTYSLLWIAAVALSTAQVEVVTODERKLTHTTASIRCSLKTQEP1 60
   |||||

QY 61 IVTQKKKAVPENMVTYSKAGVIOPTYKDRINITELGLNTSIFWNTTLDGCGYM 120
   |||||
DB 61 IVTQKKKAVPENMVTYSKAGVIOPTYKDRINITELGLNTSIFWNTTLDGCGYM 120
   |||||

QY 121 CLFMFGSGKSGACLTLYQPIVHLHYNFHHNLITGCATRAPAISMKGSGIE 180
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DB 121 CLFMFGSGKSGACLTLYQPIVHLHYNFHHNLITGCATRAPAISMKGSGIE 180
   |||||

QY 181 NSTSHSHNSGTSVTSILRKVDPRTOVGKEVICQVLYLGNVIVYKOSLDKGFVSVPL 240
   |||||
DB 181 NSTSHSHNSGTSVTSILRKVDPRTOVGKEVICQVLYLGNVIVYKOSLDKGFVSVPL 240
   |||||

QY 241 LSIIVSLVILVILISILLYWKRRHQERGSQGMQRMK 278
   |||||
DB 241 LSIIVSLVILVILISILLYWKRRHQERGSQGMQRMK 278
   |||||

RESULT 2
US-09-570-367C-2
; Sequence 2, Application US/09570367C
; Patent No. 6338851
; GENERAL INFORMATION:
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APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-21  
CURRENT APPLICATION NUMBER: US/09/570,367C  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO: 2  
LENGTH: 278  
TYPE: PRT  
ORGANISM: Mus musculus  
US-09-570-367C-2

Query Match 93.3%; Score 1360; DB 4; Length 278;  
Best Local Similarity 93.2%; Pred. No. 1.3e-139;  
Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

QY 1 MGSPFRPCHLSTYSLMAIAVALSTAOVEVVTODERKLLHTTASLRCSLKTQEP 60  
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QY 61 IYTWQKKAQVPENNVTYSKAGVVIQPTTKDRINITEGLNTSITTFWNTLLDDGCGYM 120  
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DB 241 LSVISLVILVILISILLYKRRHNOERGESSQGMQRMK 278

RESULT 3  
US-09-570-367C-19  
Sequence 19, Application US/09570367C  
Patent No. 6338851  
GENERAL INFORMATION:  
APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-21  
CURRENT APPLICATION NUMBER: US/09/570,367C  
CURRENT FILING DATE: 2000-05-05  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO: 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-570-367C-19

Query Match 76.1%; Score 1110; DB 4; Length 274;  
Best Local Similarity 76.6%; Pred. No. 2e-112;  
Matches 209; Conservative 29; Mismatches 35; Indels 0; Gaps 0;

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DB 1 VIRMPFSHLSYSLVWMAAVLCTAQVQVVTQDEREQLYTASLKCSLQNAQELIYTW 60  
QY 65 QKKKAVGPPNNVTYSKAGVVIQPTTKDRINITEGLNTSITTFWNTLLDDGCGTMCFLN 124  
DB 61 QKKKAVGPPNNVTYSKAGVVIQPAYKDRINITEGLNTSITTFWNTLLDEGCGTMCFLN 120  
QY 125 MFGSGKVGCTACTLYVQPIVHLHNYFEHLNITCSATAPAPAIKSGTSGIENSTE 184

DB 121 TFGKXISGCTACTLYVQPIVSLHVKFSEHLNITCSATAPAPAVFWKVPKRSIGENSTV 180  
QY 185 SHSHNGTSTSTILRVKDPKTQVKEVICOVLYLGNVIDYKOSLDKGFWSVPLLSIV 244  
DB 181 TISHNGTSTSTILHIDPKQVKEVICOVLYLGNVIDYKOSLDKGFWSVPLLSIV 240  
QY 245 SLVILVILVILISILLYKRRHNOERGESSQGMQRM 277  
DB 241 SLVILVILVILISILLYKRRHNOERGESSQGMQRM 273

RESULT 4  
US-09-435-956A-1  
Sequence 1, Application US/09435956A  
Patent No. 6469155  
GENERAL INFORMATION:  
APPLICANT: Universita degli Studi di Bologna  
TITLE OF INVENTION: High and Related V Domain for the Manufacture of a  
TITLE OF INVENTION: Medicament for Preventing or Treating HSV-1, HSV-2 and  
TITLE OF INVENTION: BHV Infections  
FILE REFERENCE: MODIANO  
CURRENT APPLICATION NUMBER: US/09/435,956A  
CURRENT FILING DATE: 1999-11-09  
NUMBER OF SEQ ID NOS: 2  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO: 1  
LENGTH: 458  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: Original Source: Hela Cell Line  
OTHER INFORMATION: General Functional Class of Gene: Immunoglobulin  
OTHER INFORMATION: Superfamily  
OTHER INFORMATION: Binding Macromolecules: HSV-GD  
OTHER INFORMATION: Subcellular localization: Plasma Membrane  
OTHER INFORMATION: Other Information: Viral Receptor  
US-09-435-956A-1

Query Match 11.0%; Score 161; DB 4; Length 458;  
Best Local Similarity 25.3%; Pred. No. 8.5e-09;  
Matches 55; Conservative 35; Mismatches 103; Indels 24; Gaps 6;

QY 30 AOVEVVTODERKLLHTTASLRCSLKTQEP 82  
DB 30 SQVQVDSNMKVGFTGVDVLCSPANLPVSKITQ---VTWQSTNGSKONVALINPSM 85  
QY 83 GVIQPTTKDRINITEGLNTSITTFWNTLLDDGCGYCLFNNFGSGKVGCTACTLYVQ 142  
DB 86 GVSVALPFRKVEPLRPSFTGTIRSLRLEDEGCVITGFRATPTGNRESQNLNLTWAK 145  
QY 143 P-----IVHLHNYFEHLNITC-SATAPAPAIKSGTSGIENSTESHSHNGT 192  
DB 146 PTNMEGTQAVLRAKKGDDKVLVATCSTANGKPPSVSWETRLKG-EAEYQELRNPNGT 204  
QY 193 TSVTSILRVKDPKTQVKEVICOVLYLGNVIDYKOSL 229  
DB 205 TVVISRYRLVPSREAHQOSLACTIVY--HMDRFRESL 239

RESULT 5  
US-09-724-864-62  
Sequence 62, Application US/09724864  
Patent No. 6380362  
GENERAL INFORMATION:  
APPLICANT: Watson, James G.  
TITLE OF INVENTION: Polynucleotides, polypeptides expressed  
TITLE OF INVENTION: by the polynucleotides and methods for their use.  
FILE REFERENCE: 11000.1050U1  
CURRENT APPLICATION NUMBER: US/09/724,864  
CURRENT FILING DATE: 2000-11-28

PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678  
PRIOR FILING DATE: 1999-12-23  
NUMBER OF SEQ ID NOS: 72  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO: 62  
LENGTH: 408  
TYPE: PRT  
ORGANISM: Mouse  
US-09-724-864-62

Query Match 10.2%; Score 148; DB 4; Length 408;  
Best Local Similarity 24.1%; Pred. No. 1,8e-07;  
Matches 58; Conservative 32; Mismatches 111; Indels 40; Gaps 6;

QY 14 STYLLMAIAVALSTAQVEV---VTQDERKLLHTASIRCSLKTQOEPLI---VTWQKK 68  
DB 10 SPLSWLLLFVYALKAGDRLVLPYSTGVLGGSTLHCSLTSENVTTIQTIMMKD 69  
QY 69 AVGPENMY-TYSKAGVVIQPTKDRINTELGLNTSITFWNTLDDGCGYMCLENNFG 127  
DB 70 SGGSHALAVAFHPKPKGPNKEPERKFLAQQDLNNAISLSVEDEGIYECQIATFP 129  
QY 128 SGKVSCTACL-----TLVQPIVHLHYNFEEHMLNTCSATAPAPAI 170  
DB 130 RGSRTNAMLKQAPKPTAALBPSPFTLLQDVAK-----CISANGHPGRI 177  
QY 171 SWKGTGSGIENSTESHNSNGTSTVSLIRVDPKTVQGEKVIQVYLGNVIDKQSLD 230  
DB 178 SMPNVNNGSHREKMEKPGSQPQTITVTSYLSMVPSPQADQKNTCTVEH-----ESLQSLD 232  
QY 231 K 231  
DB 233 Q 233

## RESULT 6

US-09-651-200-15  
Sequence 15, Application US/09651200  
Patent No. 6429303  
GENERAL INFORMATION:  
APPLICANT: Green et al  
TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B  
CELL LINEAGE: Lymphocyte Activation Antigen B-7 Family and  
TITLE OF INVENTION: Polypeptides Encoded Thereby  
FILE REFERENCE: 15966-562 (CORA-62)  
CURRENT APPLICATION NUMBER: US/09/651,200  
PRIOR FILING DATE: 2000-08-30  
PRIOR APPLICATION NUMBER: 60/152383  
PRIOR FILING DATE: 1999-09-03  
PRIOR APPLICATION NUMBER: 60/172909  
PRIOR FILING DATE: 1999-12-21  
PRIOR APPLICATION NUMBER: 60/183578  
PRIOR FILING DATE: 2000-02-18  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 15  
LENGTH: 299  
TYPE: PRT  
ORGANISM: Oryctolagus sp.  
US-09-651-200-15

Query Match 9.3%; Score 135; DB 4; Length 299;  
Best Local Similarity 24.0%; Pred. No. 2.9e-06;  
Matches 76; Conservative 48; Mismatches 115; Indels 78; Gaps 19;

QY 2 GSPVRRRPFCHLSTSLMAIAVALSTAQVEVVTQDERKLLHTASIRCSLKTQOEPLI 61  
DB 8 GTPPL---FRCHLTKLCCLLALAGLFPSSG-ISQVTKSKYEM---AALSQDYNISIDELA 59  
QY 62 ---VTWQKKAVGPNMYTYSKAGVVIQPTYKDR-----INTELGLNTSITFWNTTL 113  
DB 60 RMRIVWQK-----DQMWLISISQGVLEVWPEYKNTFTPIILN-----NLSMLIALRL 107

QY 114 DDGCGYMCLEF--NMFGSGKVSCTACLTLVQO-----PIVHLHYNFEEHMLNTCSA 162  
DB 108 SDKGTTCVQAKENGSGFRRHLSVTLSTIADPVPISITIGHPDENV---KRIKCSA 163  
QY 163 TAR-PAPASWKTGSGIE--NSTESHNSNGTSTVSLIRVDPKTVQGEKVIQVYL- 218  
DB 164 SCGFPEPLAMWEDGEEINAVNTTVDDDLDELYSVSESEL---DFNVTNNHSIVCLIKYG 220  
QY 219 ---LGNVIDYQO-----SLDK-GFWFSVPLLSIVSLVILLVLSILLY-----WK 260  
DB 221 ELVSQIFPWSKPKQPEPIDLPFWVILPVSGA-----LVLTAVVLYCLACRRVARWK 273  
QY 261 RHRNORSGSSQGMORM 277  
DB 274 RTR---RNEETVGTERTL 287

## RESULT 7

US-09-068-051A-32  
Sequence 32, Application US/09068051A  
Patent No. 6291235  
GENERAL INFORMATION:  
APPLICANT: Old, Lloyd J.; Welt, Sydney; Rittler, Gerdi;  
Stimson, Richard J.; Nice, Edouard; Moritz, R. L.;  
Carmel, B.; Ji, Hong; Burgess, Anthony W.;  
Heath, Joan K.; White, Sara J.; Johnstone, Cameron  
TITLE OF INVENTION: Colon Cell And Colon Cancer Cell  
Associated Nucleic Acid Molecules, Protein And Peptides  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESSES:  
ADDRESS: Fulbright & Jaworski LLP  
STREET: 666 Fifth Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10103  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/068,051A  
FILING DATE: 10-Dec-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/597,495  
FILING DATE: 02-Feb-1996  
APPLICATION NUMBER: 08/511,876  
FILING DATE: 04-Aug-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Hanson, No. 6291235man D.  
REGISTRATION NUMBER: 30,946  
REFERENCE/DOCKET NUMBER: LUD 516.2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 318-3168  
TELEFAX: (212) 752-5958  
INFORMATION FOR SEQ ID NO: 32  
SEQUENCE CHARACTERISTICS:  
LENGTH: 318 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 32  
US-09-068-051A-32

Query Match 9.3%; Score 135; DB 3; Length 318;  
Best Local Similarity 21.5%; Pred. No. 3.2e-06;  
Matches 65; Conservative 48; Mismatches 106; Indels 84; Gaps 14;

QY 17 SLMAIAA--VALSTAQVEVVTQDERKLLHTASIRCSLKT-----TOE 58  
DB 6 SVWMNLCAIWWAADALVETTTQDILRAARGSVTLPTVNTYVSDREGFIQWKLNSQT 65

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Qy      59  PLIVTQKKAVPEPNNVITYSKAHGVIOPTKDRINT-ELGLNTSITFPMNTLLDGG  117
      |||  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|
Db      66  ERVVTW-----NFTVKKIYIG---NRKRNVRVSRNDAELSNASITIDQLTMDNG  112

Qy      118  CYWCLFNMFGSGKVGSTACCLTYV---QPIVLHYN-YEEHHLNITC-SATRRPAPAI  170
      |||  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|
Db      113  TYECSSVLSMDODVANKSKSRVRLVLVVPKPCPSIGCEMVYGNNTQLTCHSAEGSPPOY  172

Qy      171  SMWGTSGCIENSTESHSHNGTTSVT---SLKVRDPKTVQGVKEVLCQLVLGNVIDY  225
      |||  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|
Db      173  SWK-----SYNAQNRAPRLQVPVSGEPLLIKISITETAGYIC-----  210

Qy      226  KQSLDKGF-----WFSVPLLSIV-SLVILLVLVLSILLYW-----KERNQER  267
      |||  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|  ::|
Db      211  TSSNDVGIESCNITVAPRPSPMNIALYGIAGSVFALLITIGVIVYCCCCREKDDKQDR  270

Qy      268  GES 270
      ::|
Db      271  EDA 273

```

```

RESULT 8
US-09-651-200-20
: Sequence 20, Application US/09651200
: Patent No. 6429303
: GENERAL INFORMATION:
: APPLICANT: Green et al
: TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
: TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
: FILE REFERENCE: 15966-562 (CURA-62)
: CURRENT APPLICATION NUMBER: US/09/651,200
: PRIOR FILING DATE: 2000-08-30
: PRIOR APPLICATION NUMBER: 60/152383
: PRIOR FILING DATE: 1999-09-03
: PRIOR APPLICATION NUMBER: 60/179909
: PRIOR FILING DATE: 1999-12-21
: PRIOR APPLICATION NUMBER: 60/183578
: PRIOR FILING DATE: 2000-02-18
: NUMBER OF SEQ. ID NOS.: 25
: SOFTWARE: PatentIn Ver. 2.0
: SEQ. ID NO 20
: LENGTH: 325
: TYPE: PRT
: ORGANISM: sus sp.
US-09-651-200-20

```

Query Match	8.7%	Score 126.5	DB 4	Length 325
Best Local Similarity	23.8%	Pred. No. 2.8e-05		
Matches	66	Conservative	42	Mismatches 94
			Indels	75
			Gaps	17
Qy	46	TASLRCSLKTQ----	EPFLITWQKKKAVGRNNVTV-----	SKAGVLIOPYKDRIN 95
Db	29	TGEYRCHNTNSQNSLDELVLFGWQO-----	DNLLVLEYLRQGEKPRHNV--	NSKWMGR-- 79
Qy	96	ITELGLNTSITFWNTTLDGSGCYCLFNMFG--SGKV-----	SGTACTLLVQDPIVHIL 148	
Db	80	-TSPDQATWTLRLHNHVIQKDGSGYCGFLHNKKRPHGLVRIHQMSDLSILANSQGEINLL 138		
Qy	149	YNYREHN--LNTTCSAT--ARPARALIMKGTSGSIE NSTESH-----	SHSNGTTSVTSILR 200	
Db	139	TNHTENSVINILTCSSTGQYREFQRYMMLNT--KUSTEHNDADMKKSQNIITELYNVISIR 196		
Qy	201	VK---DPKTVQGEKVIQCVLLYLGNIIDVKOSLDKQFWFSVP-----		238
Db	197	VSLPIRPETNV--SIVC-----VLQLEPS--KTLLPSLRPNIDAKRPVQRPVRDHILM 245		
Qy	239	LLLSIVSLVILLVILISILLYMKRHNO-----ERGES 270		
Db	246	IAALLVTVVAVCGMVSFVTLRRKKKKQRPSPNECSET 282		

```

US-09-667-135-32
; Sequence 32, Application US/09667135
; Patent No. 6521749
; GENERAL INFORMATION:
; APPLICANT: Vincent Ling
; APPLICANT: Kyriaki Dunussi-Joannopoulos
; TITLE OF INVENTION: NOVEL GL50 MOLECULES AND USES THEREFOR
; FILE REFERENCE: GNN-007
; CURRENT APPLICATION NUMBER: US/09/667,135
; CURRENT FILING DATE: 2000-09-21
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY:
; LOCATION:
US-09-667-135-32

```

```

Query Match      8.6%; Score 126; DB 4; Length 329;
Best Local Similarity 22.1%; Pred. No. 3,3e-05;
Matches 70; Conservative 52; Mismatches 129; Indels 66; Gaps 16

QY      9  PFCHLSTVSLLMIAAVALSTAQVEVYVTDERKLHHTTASLRCSLKTQ---EBLIVTW 64
Db      3  PQCTMGSLNILFWAFLFSLGAAPLKI-----QAVFNETADLPQCFANSGNSLSELVFW 57

QY      65  QKKAQVPENNVYTSKAGVVIQPTTYKDRINITEGLNLSITFW-----NTLDDGCY 119
Db      58  QDQ-----ENLV-----LNEVYLGEKEKDSVSKYMGRTSPFSDSGTLRLNHLQIKDKELY 108

QY      120  MCLF-NMFGSKV-----SGTACCLTYVQPIVHLHYVFEH-HLNTCSAT-ARPAE-- 168
Db      109  QCIIHHKKPTMITAIHQMNSLSVLANFSQPEIYPIISITENYVINLTCCSIHGFEPRK 168

QY      169  -AISMKGTSQIE-NSTESHSHSNGTT--SVTSILRVKDPKTYQGEKVICVLYLGNVID 224
Db      169  MSVLLRTKNSITIEYDGVNQKSDNVTLELYDSISLVSFPDVTSMRTIFCL-----ETD 223

QY      225  YKQSLDKGFWS-----VLLLSIVSLVLLVLISLLYV-----KRHRV----- 264
Db      224  KTRLSSPFSIIEBDPPPPDHIPWITAVLPTVILCVWFCLLIIMKKKKKRRPRNSYKCG 283

QY      265  ---QERGSSQGMQRMK 278
Db      284  TNIMRESESQTKKREK 300

```

RESULT 10  
US-08-597-495B-22  
Sequence 22, Application US/08597495B  
Patent No. 5712369  
GENERAL INFORMATION:  
APPLICANT: Old, Lloyd J.; Welt, Sydney; Rittter, Gerd.  
APPLICANT: Simpson, Richard J.; Nice, Edward; Moritz, R. L.;  
APPLICANT: Catmel, B. J.; Hong, Burgess, Anthony W.;  
APPLICANT: Heath, Joan K.; White, Sara J.; Johnstone, Cameron  
TITLE OF INVENTION: Colon Cell And Colon Cancer Cell  
TITLE OF INVENTION: Associated Nucleic Acid Molecules, Protein And Peptides  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Feltz & Lynch  
STREET: 805 Third Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS

RESULT 11  
 US-09-068-051A-22  
 ; Sequence 22, Application US/09068051A  
 ; Patent No. 6291235  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Old, Lloyd J.; Welt, Sydney; Rilter, Gerd;  
 ; Simpson, Richard J.; Nice, Edouard; Moritz, R. L.;  
 ; Cathmel, B.; Ji, Hong; Burgess, Anthony W.;  
 ; Heath, Joan K.; White, Sara J.; Johnstone, Cameron  
 ; TITLE OF INVENTION: Colon Cell And Colon Cancer Cell  
 ; Associated Nucleic Acid Molecules, Protein And Peptides  
 ; NUMBER OF SEQUENCES: 33  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Fulbright & Jaworski LLP  
 ; STREET: 666 Fifth Avenue  
 ; CITY: New York City  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10103  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
 ; COMPUTER: IBM PS/2  
 ; OPERATING SYSTEM: PC-DOS  
 ; SOFTWARE: Wordperfect  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/068,051A

```

RESULT 12
US-09-336-536-67
Sequence 67, Application US/09336536
Patent No. 6406884
GENERAL INFORMATION:
APPLICANT: Leiby, K.
APPLICANT: McKay, C.
APPLICANT: Bosstone, S.
TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
FILE REFERENCE: 7853-144
CURRENT APPLICATION NUMBER: US/09/336,536
CURRENT FILING DATE: 1999-06-18
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 67
LENGTH: 319
TYPE: PRT
ORGANISM: Homo sapiens
US-09-336-536-67

Query Match      8.6%; Score 125.5; DB 4; Length 319;
Best Local Similarity 20.6%; Pred No. 3.5e-05;
Matches 60; Conservative 44; Mismatches 100; Indels 87; Gaps 14;

```

Db 6 WBLVLTCAVRVTDVAISVETPODVLRAQSGSVTLTCTYHTSTSSREGLIQMDKLLTH 65  
Qy 72 PENMTY-----SKAGVVIQPTKDRINIT-ELGLLNTSITFMWTTLDGCGYCLFM 125  
Db 66 TERVVIWPSNKNYIHGEL-----YKNRVISNNNAQSDASITIDQLTMADNGTYECVSL 121  
Qy 126 FG--SGKVSCTACTLYVOP-----IVHLHYNFHEHLNITC-SATAPAPAPIS 171  
Db 122 MSDLEGNTKSRVRLVLVLPSPKRECGIEGETII-----GNNIQLTCSKESGSPTPQYS 174  
Qy 172 WK-----CTSGGIEN-SFE-----SHSHNGTTSVTSILRVDPKQ 207  
Db 175 WKRVVILNOEQPLAPASQOPVSLKNVISTDTSGYIYCTSSNEEGTQFCNITVAVSPSN 234  
Qy 208 VKEVIVCOVLYLVGNVVDYKQSLDKGFWFVPLLSISVLIVLISILLY 258  
Db 235 V-----ALVYG-----IAGVVAALLIIGIIT 257

RESULT 13  
US-09-254-465A-6  
; Sequence 6, Application US/09254465A  
; Patent No. 6410708  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Fong, Sherman  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: OF DISEASES, COMPOSITIONS AND METHODS FOR THE TREATMENT  
; FILE REFERENCE: P121621 (US)  
; CURRENT APPLICATION NUMBER: US/09/254,465A  
; PRIOR FILING DATE: 1999-03-05  
; PRIOR APPLICATION NUMBER: PCT/US98/24855  
; PRIOR FILING DATE: 1998-11-20  
; PRIOR APPLICATION NUMBER: US 60/066,364  
; PRIOR FILING DATE: 1997-11-21  
; PRIOR APPLICATION NUMBER: US 60/078,936  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: PCT/US98/19437  
; PRIOR FILING DATE: 1998-09-17  
; NUMBER OF SEQ ID NOS: 30  
; SEQ ID NO: 6  
; LENGTH: 319  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-254-465A-6

Query Match 8.6%; Score 125.5; DB 4; Length 319;  
Best Local Similarity 20.6%; Pred. No. 3.5e-05;  
Matches 60; Conservative 44; Mismatches 100; Indels 87; Gaps 14;  
Qy 16 YSLMAIAAVALSTAOVEVVTODE--RKLLHTTASIRCS--LKTQOELIVTWOKKAVG 71  
Db 6 WBLVLTCAVRVTDVAISVETPODVLRAQSGSVTLTCTYHTSTSSREGLIQMDKLLTH 65  
Qy 72 PENMTY-----SKAGVVIQPTKDRINIT-ELGLLNTSITFMWTTLDGCGYCLFM 125  
Db 66 TERVVIWPSNKNYIHGEL-----YKNRVISNNNAQSDASITIDQLTMADNGTYECVSL 121  
Qy 126 FG--SGKVSCTACTLYVOP-----IVHLHYNFHEHLNITC-SATAPAPAPIS 171  
Db 122 MSDLEGNTKSRVRLVLVLPSPKRECGIEGETII-----GNNIQLTCSKESGSPTPQYS 174  
Qy 172 WK-----CTSGGIEN-SFE-----SHSHNGTTSVTSILRVDPKQ 207  
Db 175 WKRVVILNOEQPLAPASQOPVSLKNVISTDTSGYIYCTSSNEEGTQFCNITVAVSPSN 234  
Qy 208 VKEVIVCOVLYLVGNVVDYKQSLDKGFWFVPLLSISVLIVLISILLY 258

Db 235 V-----ALVYG-----IAGVVAALLIIGIIT 257

RESULT 14  
US-08-456-104-2  
; Sequence 2, Application US/08456104  
; Patent No. 5861310  
; GENERAL INFORMATION:  
; APPLICANT: Freeman, Gordon J.  
; APPLICANT: Nadler, Lee M.  
; APPLICANT: Gray, Gary S.  
; TITLE OF INVENTION: TUMOR CELLS MODIFIED TO EXPRESS B7-2 AND B7-3 WITH INCREASED  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 State Street, Suite 510  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109  
COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/456,104  
; FILING DATE:  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/101,624;  
; FILING DATE: 26-JUL-1993;  
; APPLICATION NUMBER: 08/109,393;  
; APPLICATION NUMBER: 19-AUG-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mandragoras, Amy E.  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: RPI-008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 329 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-456-104-2

Query Match 8.6%; Score 125; DB 2; Length 329;  
Best Local Similarity 22.1%; Pred. No. 4.2e-05;  
Matches 70; Conservative 52; Mismatches 123; Indels 66; Gaps 16;  
Qy 9 PFCHLSTVSLMAIAAVALSTAOVEVVTODERKLLHTTASIRCSLKTQ---EPLIVTW 64  
Db 3 PCHTGLSNILFVMAFLISGAAPLKI-----QAYFNETRADLPCEPANSQNSLSLIVFW 57  
Qy 65 QKKAAGVBNMTYTSKAGVVIQPTKDRINITELGLLNTSITFV-----NTLDDGCGY 119  
Db 58 QDQ-----ENVV-----LNEVYLKREKFPDSVSKWGRISFDSQVTLRLHLQIKDKGLY 108  
Qy 120 MCLF-NMGSGKV-----SGTACTLYVOPIVHLHYVFEH-HLNTCSAT-ARAP-- 168  
Db 109 QCIHHKPTGMIRRHQNSLSVLANFQPEIYIPISITENVYINLTCSISIHGPEPK 168  
Qy 169 -AISKWGTSGIE-NSTESHSHNGTT--SVTSILRVDPKTOVKEVIVCOVLYLVGNV 224  
Db 169 MSVILRTKNGSTIEVDGIMQSDNVTLEYDVVISLSVSFPDVTSMNTIFCIL-----ETD 223  
Qy 225 YKQSLDKGFWFS-----VPLLSISVLIVLISILLY-----KRHR----- 264  
Db 224 KTRLSPFSFIELEDDPPDPHPIWITAVLPTVITCVWVFLILIMKWKRRPRNSYKCG 283





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